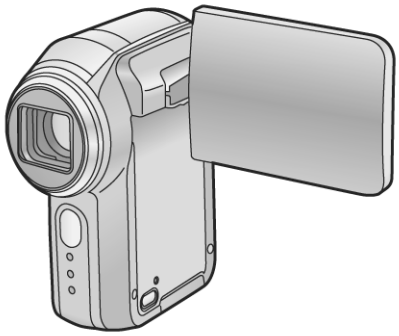
ORDER NO. VM0509041CE
B27

Service Manual

SD Video Camera

LEICA DICOMAR

PictBridge



SDR-S100PP
SDR-S100E
SDR-S100EB
SDR-S100EG
SDR-S100GC
SDR-S100GK

Vol. 1

Colour

(S).....Silver Type

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

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1 Safety Precaution

1.1. General Guidelines

1. **IMPORTANT SAFETY NOTICE**
   There are special components used in this equipment which are important for safety. These parts are marked by

   ⚠ in the Schematic Diagrams, Circuit Board Layout, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.
2. An Isolation Transformer should always be used during the servicing of AC Adaptor whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect AC Adaptor from being damaged by accidental shorting that may occur during servicing.
3. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
4. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
5. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 MΩ and 5.2 MΩ. When the exposed metal does not have a return path to the chassis, the reading must be infinity.

1.3. Leakage Current Hot Check (See Figure 1.)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 1.5 kΩ, 10 W resistor, in parallel with a 0.15 μF capacitor, between each exposed metallic part on the set and a good earth ground, as shown in Figure 1.
3. Use an AC voltmeter, with 1 kΩ/V or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 V RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 mA. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

Hot-Check Circuit

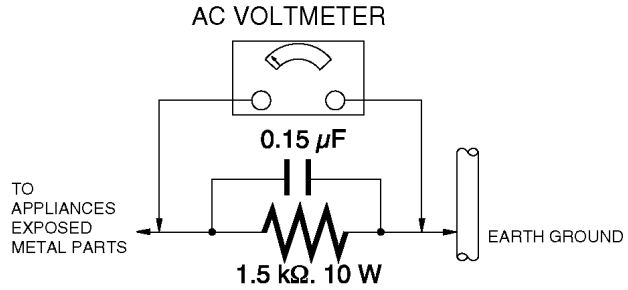


Figure. 1

1.4. How to Discharge the Capacitor on Front PCB

CAUTION:

1. **Be sure to discharge the capacitor on FRONT PCB.**
2. **Be careful of the high voltage circuit on FRONT PCB when servicing.**

[Discharging Procedure]

1. Refer to the disassemble procedure and Remove the necessary parts/unit.
2. Put the insulation tube onto the lead part of Resistor (ERG5SJ102:1kΩ /5W).
   (an equivalent type of resistor may be used.)
3. Put the resistor between both terminals of capacitor on FRONT PCB for approx. 5 seconds.
4. After discharging confirm that the capacitor voltage is lower than 10V using a voltmeter.

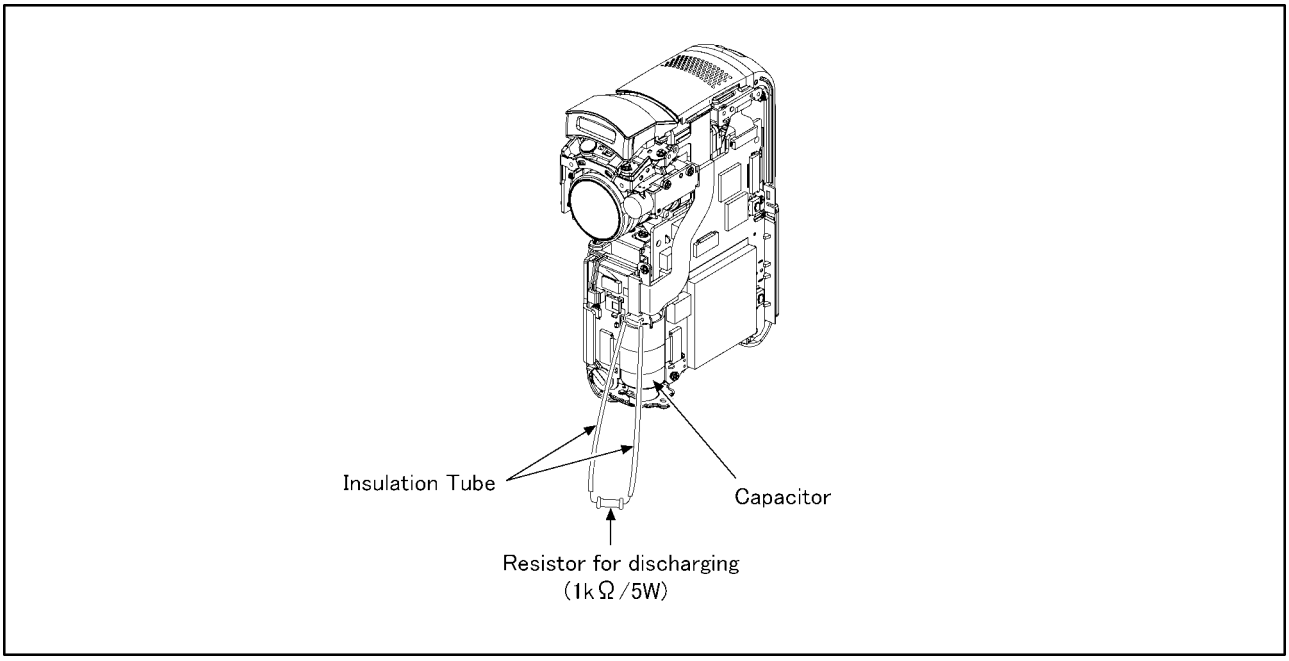


Fig. F1

2 Warning

2.1. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an antistatic solder removal device. Some solder removal devices not classified as "antistatic (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION :
   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

2.2. How to Recycle the Lithium Ion Battery (U.S. Only)

ENGLISH

A lithium ion/polymer battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.

FRANÇAIS

L'appareil que vous vous êtes procuré est alimenté par une batterie au lithium-ion/polymère recyclable. Pour des renseignements sur le recyclage de la batterie, veuillez composer le 1-800-8-BATTERY.

2.3. Caution for AC Cord (For EB/GC)

2.3.1. Information for Your Safety

IMPORTANT

Your attention is drawn to the fact that recording of pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.

WARNING

To reduce the risk of fire or shock hazard, do not expose this equipment to rain or moisture.

CAUTION

To reduce the risk of fire or shock hazard and annoying interference, use the recommended accessories only.

FOR YOUR SAFETY

DO NOT REMOVE THE OUTER COVER

To prevent electric shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

2.3.2. Caution for AC Mains Lead

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three-pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5 amperes and it is approved by ASTA or BSI to BS1362
Check for the ASRA mark or the BSI mark on the body of the fuse.

ASTA mark	BSI mark

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local Panasonic Dealer.

If the fitted moulded plug is unsuitable for the socket outlet in your home then the fuse should be removed and the plug cut off and disposed of safety.
There is a danger of severe electrical shock if the cut off plug is inserted into any 13-ampere socket.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt, please consult a qualified electrician.

2.3.2.1. Important

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.

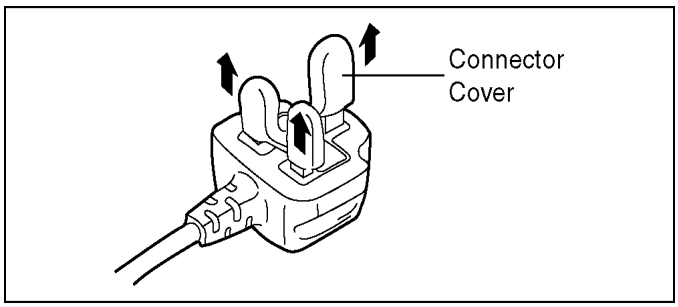
The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

Under no circumstances should either of these wires be connected to the earth terminal of the three pin plug, marked with the letter E or the Earth Symbol.

Earth Symbol	⏚

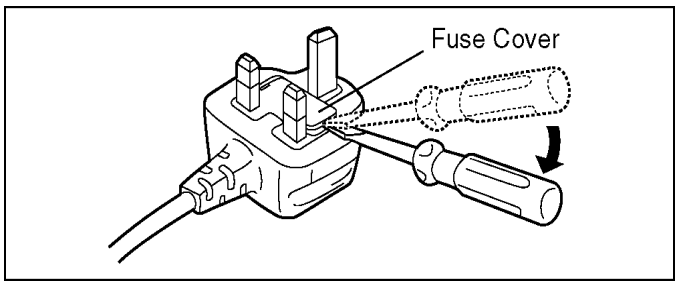
2.3.2.2. Before Use

Remove the Connector Cover as follows.

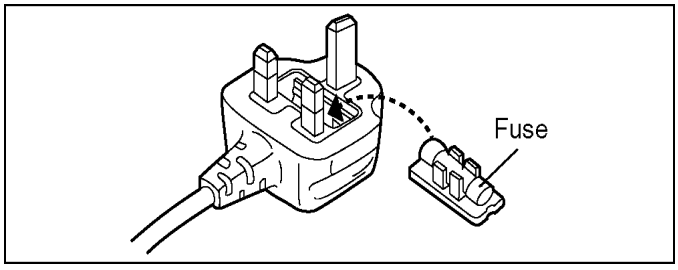


2.3.2.3. How to Replace the Fuse

1. Remove the Fuse Cover with a screwdriver.



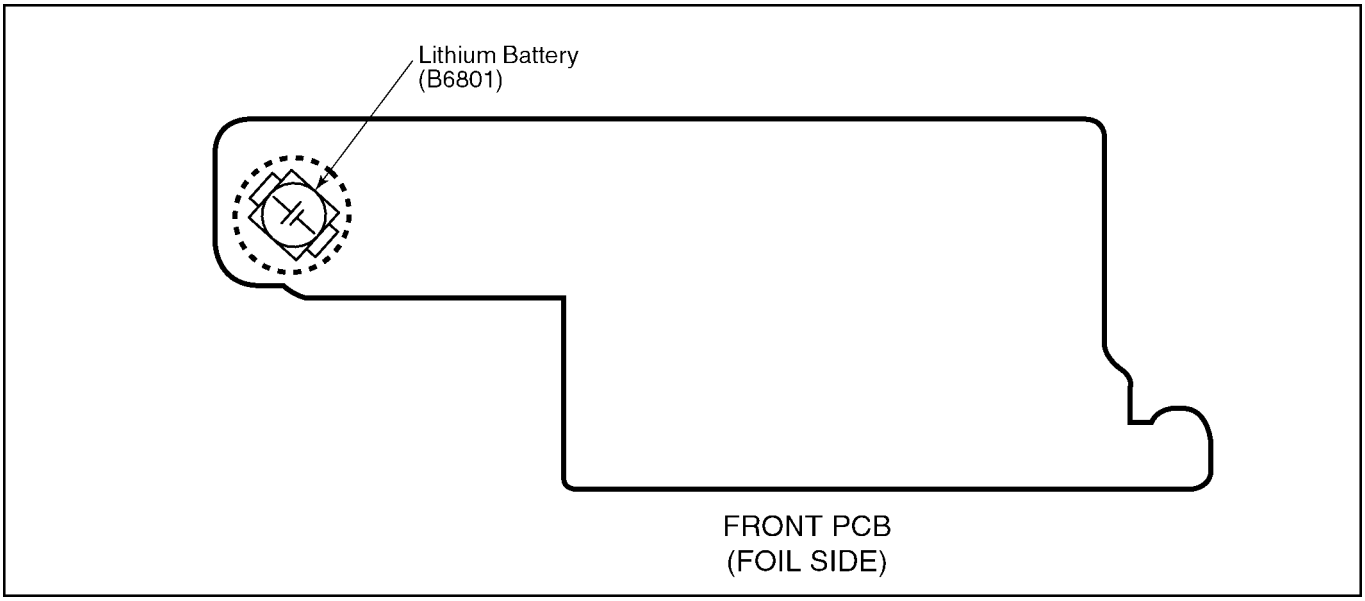
2. Replace the fuse and attach the Fuse cover.



2.4. How to Replace the Lithium Battery

2.4.1. Replacement Procedure

1. Remove the FRONT PCB. (Refer to Disassembly Procedures.)
2. Remove the Lithium battery (Ref. No. “B6801” at foil side of FRONT PCB) and then replace it into new one.



NOTE:

This Lithium battery is a critical component.
(Type No.: ML-612S/F9D **Manufactured by Matsushita Battery Industrial Co.,Ltd.**)
It must never be subjected to excessive heat or discharge.
It must therefore only be fitted in requirement designed specifically for its use.
Replacement batteries must be of same type and manufacture.
They must be fitted in the same manner and location as the original battery, with the correct polarity contacts observed.
Do not attempt to re-charge the old battery or re-use it for any other purpose.
It should be disposed of in waste products destined for burial rather than incineration.

(For English)

CAUTION

Danger of explosion if battery is incorrectly replaced.
Replace only with the same or equivalent type recommended by the manufacturer.
Dispose of used batteries according to the manufacturer's instructions.

(For French)

PRECAUTION

Le fait de remplacer incorrectement la pile peut présenter des risques d'explosion.
Remplacer la pile uniquement par une pile identique ou de type équivalent recommandée par le fabricant. Se débarrasser des piles usagées conformément aux instructions du fabricant.

(For German)

VORSICHT

Bei einer falsch eingesetzten Batterie besteht Explosionsgefahr. Nur mit einer vom Hersteller empfohlenen Batterie vom gleichen Typ ersetzen.
Verbrauchte Battrien beim Fachhändler oder einer Sammelstelle für Sonderstoffe abliefern.

(For Swedish)

VARNING

Explosionsfara vid felaktigt batteribyte.
Använd samma batterityp eller en ekvivalent typ som rekommenderas av apparattilverkaren.
Kassera använt batteri enligt fabrikantens instruktion.

(For Norwegian)

ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.
Udskiftning má kun ske med batteri af samme fabrikat og type.
Levér det brugte batteri tibage til leverandøren.

(For Finnish)

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu.
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.
Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

NOTE:

Above caution is applicable for a battery pack which is for SDR-S100 series, as well.

3 Service Navigation

3.1. Introduction

This service manual contains technical information, which allow service personnel's to understand and service this model.
Please place orders using the parts list and not the drawing reference numbers.
If the circuit is changed or modified, the information will be followed by service manual to be controlled with original service manual.

3.2. About Lead Free Solder (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

Caution:

- Pb free solder has a higher melting point than standard solder, Typically the melting point is 50-70°F (30-40°C) higher. Please use a high temperature soldering iron. In case of soldering iron with temperature control, please set it to 700±20°F (370±10°C).
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C).

When soldering or unsoldering, please completely remove all of the solder on the pins or solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.

3.3. Important Notice 1:(Other than U.S.A. and Canadian Market)

- The service manual does not contain the following information, because of the impossibility of servicing at component level.
  a. Schematic diagram, Block Diagram and PCB layout of Main PCB (L), (R).
  b. Parts list for individual parts of Main PCB (L), (R).

  When a part replacement is required for repairing Main PCB (L), (R), replace as an assembled parts. (Main PCB (L), (R))

3.4. How to Define the Model Suffix (NTSC or PAL model)

There are five kinds of SDR-S100, regardless of the colours.

- a) SDR-S100S
- b) SDR-S100PP
- c) SDR-S100E/EB/EG
- d) SDR-S100GC
- e) SDR-S100GK

(SDR-S100S is exclusively Japan domestic model.)

What is the difference is that the “INITIAL SETTING” data which is stored in Flash ROM mounted on Main PCB (R).

3.4.1. Defining methods:

To define the model suffix to be serviced, refer to the rating label which is putted on the bottom side of the Unit.

a) SDR-S100S

SDR-S100S is exclusively Japan domestic model.

b) SDR-S100PP

The rating label for this model show the following Safty registration mark.

c) SDR-S100E/EB/EG

The rating label for these models show the following Safty registration mark.

d) SDR-S100GC

The rating label for this model show the following Safty registration mark.

e) SDR-S100GK

The rating label for this model do not show any above Safty registration mark.

NOTE:

After replacing the MAIN PCB (L), (R), be sure to achieve adjustment.

The adjustment instruction is available at “software download” on the “Support Information from NWBG/VDBG-PAVC” web-site in “TSN system”, together with Maintenance software.

4 Specifications

SD Video Camera: Information for your safety

Power source:	DC 9.3 V (AC adaptor)/7.4 V (Battery)
Power consumption:	When recording: 3.9 W (AC adaptor)/3.5 W (Battery)

Signal system	EIA Standard: 525 lines, 60 fields NTSC color signal
Image sensor	1/6-inch 3CCD image sensor Total pixels approx. 800 K×3 Effective pixels Motion picture: approx. 640 K×3 (4:3)/ approx. 540 K×3 (16:9) Still picture: approx. 710 K×3 (4:3)/ approx. 540 K×3 (16:9)
Lens	Auto iris, 10× power zoom F1.8 to F2.8 (f = 3.0 mm to 30.0 mm) **35 mm equivalent** Motion picture: 45.6 mm to 456 mm (4:3)/ 46.7 mm to 467 mm (16:9) Still picture: 43.4 mm to 434 mm (4:3)/ 47.0 mm to 470 mm (16:9) Tele-macro function provided (full range AF)
Filter diameter	37 mm
Zoom	10× optical zoom, 25/700× digital zoom
Monitor	2.8″ wide LCD monitor (approx. 210 K pixels)
Microphone	Stereo (with a zoom function)
Speaker	1 dynamic type
White balance adjustment	Auto tracking white balance system
Standard illumination	1,400 lx
Minimum required illumination	12 lx (1 lx in MagicPix mode)
Recording media	SD Memory Card (8 MB/16 MB/32 MB/64 MB/128 MB/ 256 MB/512 MB/1 GB/2 GB (Maximum)) (FAT12 and FAT16 format corresponding)
Video output level	1.0 Vp-p 75 Ω
S-Video output level	Y Output: 1.0 Vp-p, 75 Ω C Output: 0.286 Vp-p, 75 Ω
Audio output level (Line)	316 mV, 600 Ω
Headphones output level	77 mV, with 32 Ω load

USB	Card reader/writer function (No copyright protection support) USB 2.0 compliant (Hi-Speed) PictBridge-compliant Web Camera function
Flash	GN 4.5 Available flash range: approx. 1 m to 2 m (3.3 feet to 6.6 feet)
Dimensions	Approx. 49.9 mm (W) × 96.7 mm (H) × 80.4 mm (D) Approx. 1 31/32 inch (W) × 3 13/16 inch (H) × 3 3/16 inch (D) (excluding the projecting parts)
Mass	Approx. 242 g (8.54 oz)
Mass in operation	Approx. 282 g (9.95 oz) (with supplied battery and SD Memory Card)
Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating humidity	10% to 80%
Battery operation time	See page 17.

Motion pictures

Compression	MPEG2 (SD-Video standard compliant)
Picture size	704×480
Transfer rate	XP : Approx. 10 Mbps (VBR), 30 fps SP : Approx. 5 Mbps (VBR), 30 fps LP : Approx. 2.5 Mbps (VBR), 30 fps
Audio compression	MPEG1-Layer2 compliant (stereo)

Still pictures

Compression	JPEG (Design rule for Camera File system, based on Exif 2.2 standard), DPOF corresponding
Picture size	2048×1512, 1280×960, 640×480, 1920×1080 (HDTV)

WEB camera

Compression	Motion JPEG-compliant
Picture size	320×240 pixels (QVGA)
Frame rate	Approx. 6 fps

AC adaptor: Information for your safety

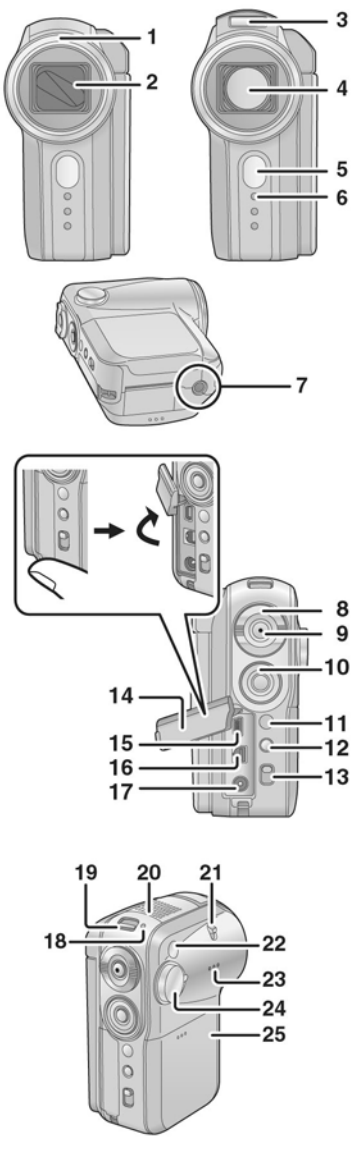
Power source:	AC 100 V to 240 V, 50/60 Hz
Input capacitance:	0.25 A
Output:	DC 9.3 V 1.0 A

Battery pack: Information for your safety

Maximum voltage:	DC 8.4 V
Nominal voltage:	DC 7.4 V
Rated capacitance:	760 mAh

5 Location of Controls and Components

Parts identification and handling

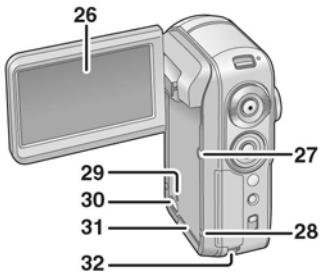


1 Lens hood
2 Lens cover
3 Built-in flash
4 Lens (LEICA DICOMAR)
5 Remote Control Sensor
6 Indication lamp
7 Tripod mount

8 Zoom lever [W/T]
Volume lever [+VOL−]
9 Record button
10 Cursor button
- Press up, down, left or right to select items.
- Press the button in the center to enter the selection.

11 Menu button [MENU]
12 Delete button [🗑]
13 Mode select switch [AUTO/MANUAL/FOCUS]
14 Terminal cover
15 USB terminal [⚷]
16 Multi-connector [MULTI]
17 DC input terminal [DC IN 9.3V]

18 Status indicator
19 Power switch [ON/OFF]
20 Microphone (built-in, stereo)
21 Flash lever [OPEN ϟ]
22 White balance sensor
23 Speaker
24 Mode dial
25 Battery cover

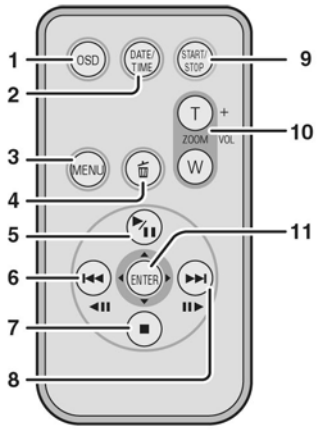


26 LCD monitor

> Due to limitations in LCD production technology, there may be some tiny bright or dark spots on the LCD monitor screen. However, this is not a malfunction and does not affect the recorded picture.

27 Power LCD button [POWER LCD]
28 Reset button [RESET]
29 Card access lamp [ACCESS]
30 Card slot open lever
31 Card slot cover
32 Strap fixture

Remote control

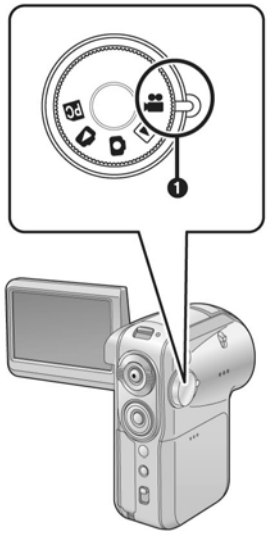


1 On-screen display button [OSD]
2 Date/time button [DATE/TIME]
3 Menu button [MENU]
4 Delete button [🗑]
5 Playback/Pause button [▶/II] *
6 Fast-rewind button [I◀◀] *
7 Stop button [■] *
8 Fast-forward button [▶▶I] *
9 Recording start/stop button [START/STOP] *
10 Zoom/volume button [T]/[W] *
11 Enter button [ENTER]

* **Recording operations, playback operations and volume adjustment**
These buttons work in the same way as the corresponding buttons on this unit.

Selecting a mode

The Mode Dial is used to switch between recording and playback modes.
Rotate the mode dial slowly but surely.
Set the desired mode ❶.



Rotate the mode dial, and set the desired mode pictograph to the position shown in the illustration.

Motion picture recording mode

Use this to record motion pictures (MPEG2).
The unit can be used as a Web camera when it is connected to a PC.

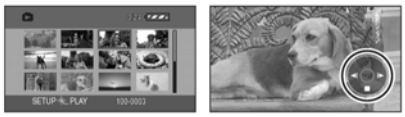
Motion picture playback mode

Use this to play back motion pictures recorded with this unit.

Still picture recording mode

Use this to record still pictures (JPEG).
The unit can be used as a Web camera when it is connected to a PC.

Still picture playback mode



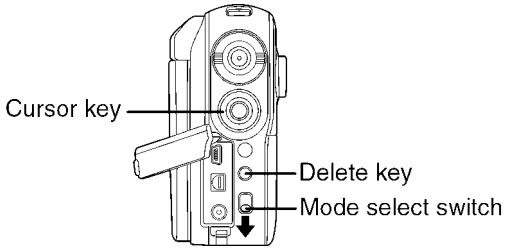
Use this to play back still pictures recorded with this unit.

PC Connection mode

Use MotionSD STUDIO (This can be installed from the supplied CD-ROM.) to view an SD card's pictures on a PC or to import them to a PC.

6 Service Mode

1. **Indication method of the service menu**
   a. Set the mode dial **other than** PC connection mode.
2. While keep pressing the “[LEFT<] of cursor” key and “delete” key, hold down the Mode Select Switch towards to “[FOCUS]” position for more than 3 seconds until the top screen of the Service Menu being displayed.



Top screen of the service menu

Service mode menu

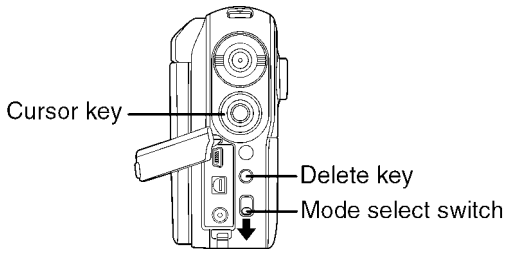
Screen display	Contents	Function
1	Factory settings	Function to throw a product up in a factory shipment state
3	Lock search history indication	Display an error cord for three histories saved in EEPROM

NOTE:
Do not using service mode except [1], [3] of Service Menu.

3. End method of the top screen of the service menu
   Top screen of the service menu is finished by POWER OFF.

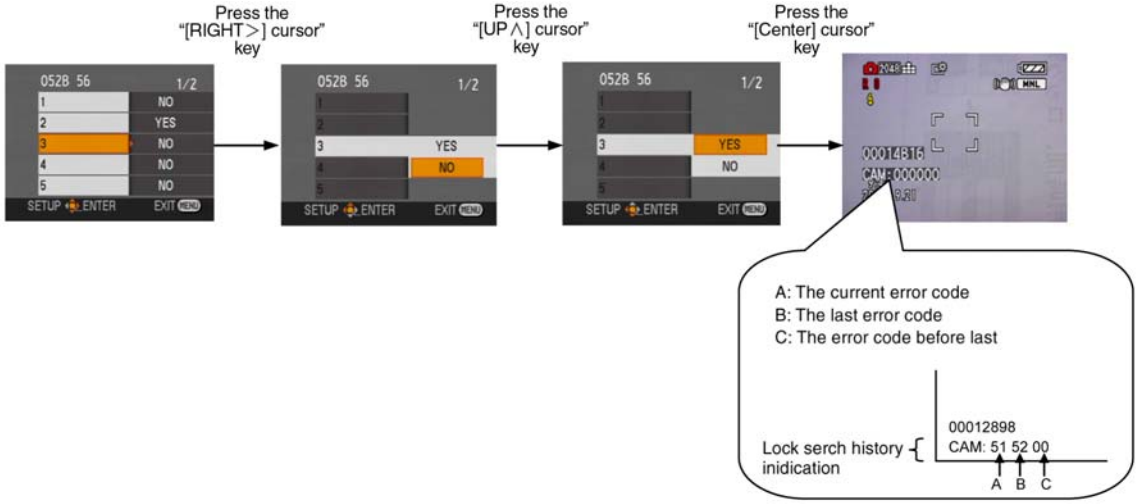
6.1. Lock Search History Indication

1. Set the mode dial **other than** PC connection mode.
2. While keep pressing the “[LEFT<] of cursor” key and “delete” key, hold down the Mode Select Switch towards to “[FOCUS]” position for more than 3 seconds until the top screen of the Service Menu being displayed.



3. Select [3] Lock search history indication.

Operation specifications



Indication contents

- Lock search history indication
  Display the camera system error cord for three histories saved in EEPROM.
- The error cord contents which are displayed

Error code	Function
51	Zoom control is abnormal
52	Focus control is abnormal
53	OIS lens control is abnormal
71	Lens cover open/close is abnormal

Lock search history indication is finished by POWER OFF.

7 Service Fixture & Tools

7.1. When Replacing the Main PCB (L), (R)

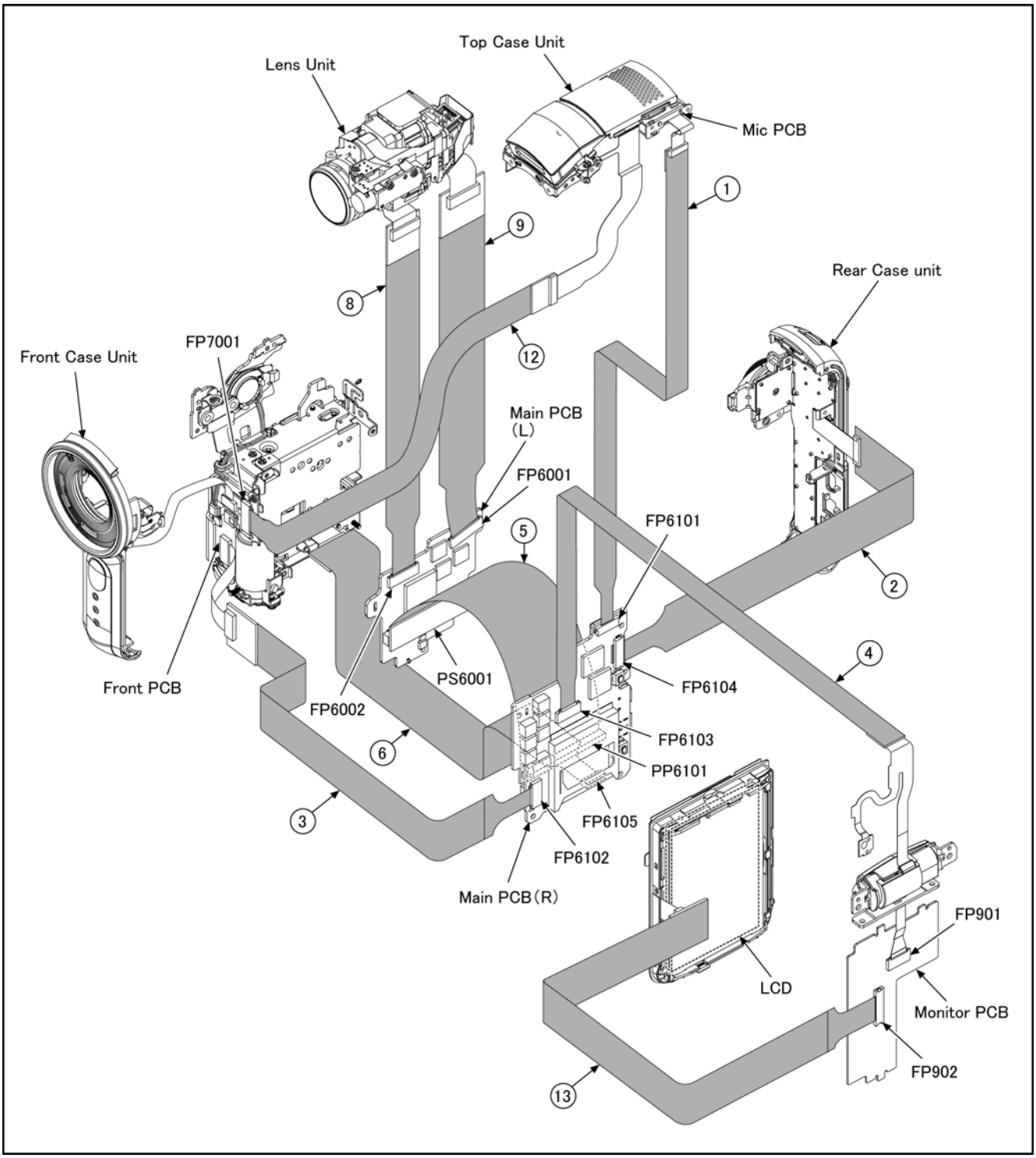
After replacing the MAIN PCB (L), (R), be sure to achieve adjustment.
The adjustment instruction is available at “software download” on the “Support Information from NWBG/VDBG-PAVC” web-site in “TSN system”, together with Maintenance software.

7.2. Service Position

This Service Position is used for checking and replacing parts. Use the following Extension cables for servicing.

Table S1 Extension Cable List

No.	Parts No.	Connection	Form
1	VFK1440	FP6101 (MAIN R) - FP4801 (MIC)	10PIN 0.5 FFC
2	VFK1286	FP6104 (MAIN R) - REAR CASE UNIT	16PIN 0.5 FFC
3	VFK1491	FP6102 (MAIN R) - FP4001 (FRONT)	27PIN 0.3 FFC
4	VFK1978	FP6103 (MAIN R) - FP901 (MONITOR)	31-27PIN 0.3 FFC
5	VFK1582BF010	PP6101 (MAIN R) - PS6001 (MAIN L)	150PIN B to B
6	VFK1443	FP6105 (MAIN R) - BUS FPC	18PIN 0.5 FFC
8	VFK1575C3320	FP6002 (MAIN L) - LENS UNIT	33PIN 0.3 FFC
9	VFK1459	FP6001 (MAIN L) - LENS UNIT	39PIN 0.3 FFC
12	VFK1575C3320	FP7001 (FRONT) - FLASH UNIT	33PIN 0.3 FFC
13	VFK0977	FP902 (MONITOR) - LCD	20PIN 0.5 FFC

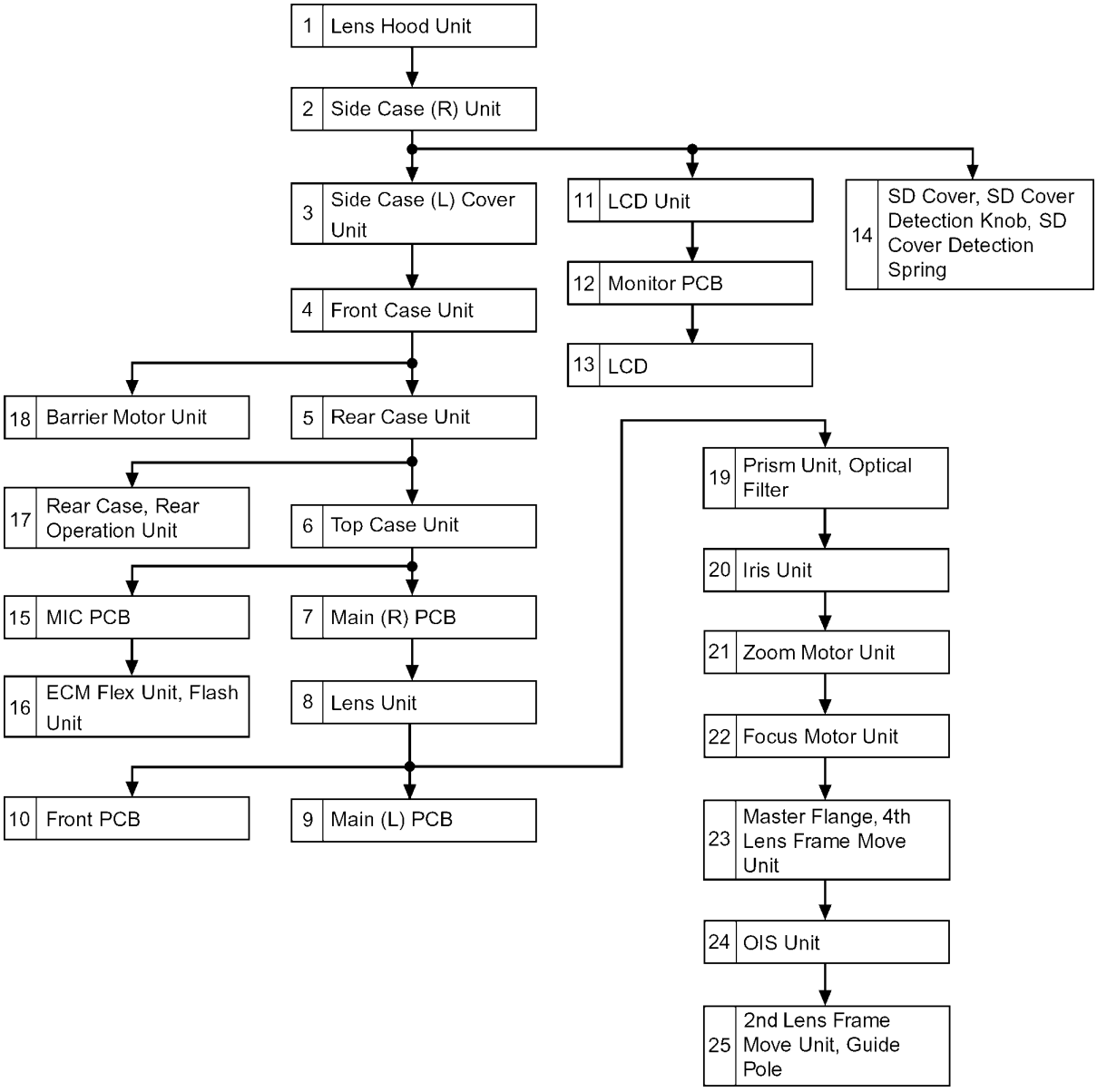


CAUTION-1. (When servicing FRONT PCB)

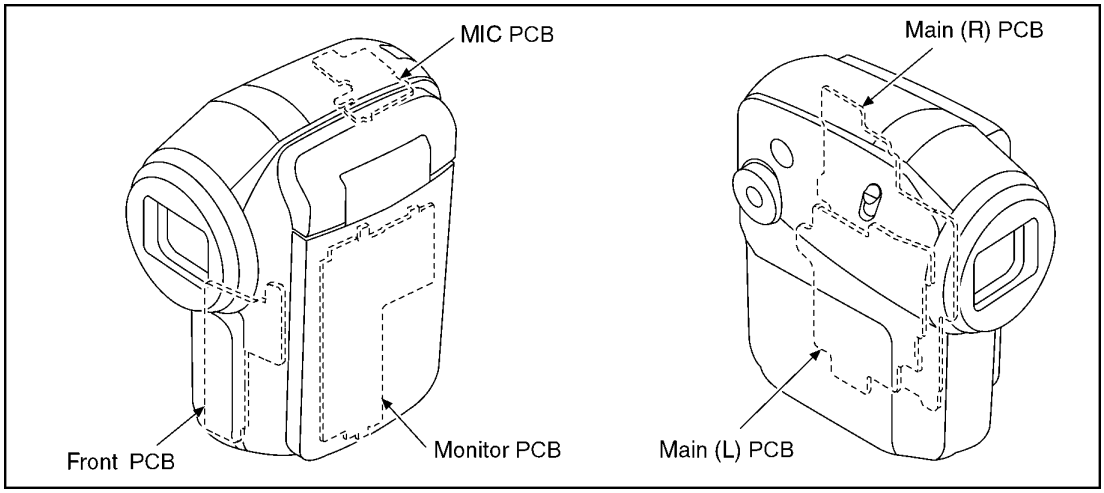
1. Be sure to discharge the capacitor on FRONT PCB.
   Refer to “HOW TO DISCHARGE THE CAPACITOR ON FRONT PCB”.
   The capacitor voltage is not lowered soon even if the AC Cord is unplugged or the battery is removed.
2. Be careful of the high voltage circuit on FRONT PCB.
3. DO NOT allow other parts to touch the high voltage circuit on FRONT PCB.

8 Disassembly and Assembly Instructions

8.1. Disassembly Flow Chart


1 Lens Hood Unit
2 Side Case (R) Unit
3 Side Case (L) Cover Unit
4 Front Case Unit
5 Rear Case Unit
6 Top Case Unit
7 Main (R) PCB
8 Lens Unit
9 Main (L) PCB
10 Front PCB
11 LCD Unit
12 Monitor PCB
13 LCD
14 SD Cover, SD Cover Detection Knob, SD Cover Detection Spring
15 MIC PCB
16 ECM Flex Unit, Flash Unit
17 Rear Case, Rear Operation Unit
18 Barrier Motor Unit
19 Prism Unit, Optical Filter
20 Iris Unit
21 Zoom Motor Unit
22 Focus Motor Unit
23 Master Flange, 4th Lens Frame Move Unit
24 OIS Unit
25 2nd Lens Frame Move Unit, Guide Pole

8.2. PCB Location



8.3. Disassembly Procedure

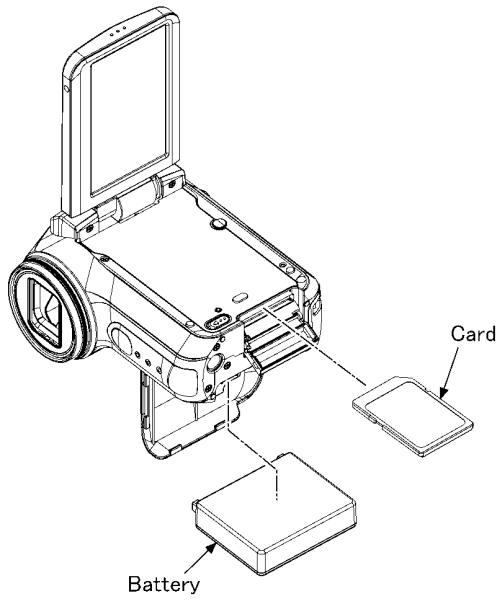
No.	Item	Fig	Removal
1	Lens Hood Unit	Fig. D1	Lens Hood Unit
2	Side Case (R) Unit	Fig. D2	3 Screws (A)
			2 Screws (B)
			1 Screw (C)
		Fig. D3	Hinge Ornament
			3 Screws (D)
		Fig. D4	FP6103(Flex)
			Side Case (R) Unit
		Fig. D5	NOTE (When Installing)
3	Side Case (L) Cover Unit	Fig. D6	1 Screw (E)
			1 Screw (F)
		Fig. D7	1 Screw (G)
			2 Screws (H)
		Fig. D8	2 Locking tabs
			Side Case (L) Cover Unit
4	Front Case Unit	Fig. D9	3 Screws (I)
			2 Ribs
			1 Locking tab
		Fig. D10	P6701(Flex)
			Front Case Unit
		Fig. D11	Discharge the Capacitor
5	Rear Case Unit	Fig. D12	1 Screw (J)
		Fig. D13	1 Screw (K)
		Fig. D14	FP6104(Flex)
			Rear Case Unit
6	Top Case Unit	Fig. D15	FP6101(Flex)
			FP7001(Flex)
		Fig. D16	2 Screws (L)
			Top Case Unit
7	Main (R) PCB	Fig. D17	2 Screws (M)
			FP6102(Flex)
		Fig. D18	PP6101(Connector)
			FP6105(Flex)
			Main (R) PCB
8	Lens Unit	Fig. D19	FP6001(Flex)
			FP6002(Flex)
			1 Screw (N)
			Lens Unit
9	Main (L) PCB	Fig. D20	2 Ribs
			Main (L) PCB
10	Front PCB	Fig. D21	P4001(Connector)
			2 Screws (O)
			Front PCB
11	LCD Unit	Fig. D22	1 Screw (P)
			LCD OPEN/CLOSE detection switch
		Fig. D23	2 Screws (Q)
			LCD Unit
		Fig. D24	NOTE (When Installing)
12	Monitor PCB	Fig. D25	2 Screws (R)
			2 Screws (S)
			LCD Case Top
		Fig. D26	FP901(Flex)
			FP902(Flex)
			LCD Hinge Unit
			1 Rib
			Monitor PCB

No.	Item	Fig	Removal
13	LCD	Fig. D27	Reflection Sheet
			Light Panel
			Diffusion Sheet
			Prism Sheet (B)
			Prism Sheet (A)
		Fig. D28	2 Screws (T)
			LCD Reinforcement Angle
			Light Panel Holder
			LCD
			LCD Shield Case
			LCD Case Bottom
14	SD Cover, SD Cover Detection Knob, SD Cover Detection Spring	Fig. D29	SD Cover Detection Spring
			SD Cover Detection Knob
		Fig. D30	SD Cover Shaft
		Fig. D31	SD Cover
			SD Cover Spring
		Fig. D32	2 Locking tabs
			SD Cover Lock Lever
			SD Cover Lock Spring
			SD Open Button
15	Mic PCB	Fig. D33	Solder (3 points)
			1 Screw (U)
			Mic PCB
16	ECM Flex Unit, Flash Unit	Fig. D34	3 Screws (V)
			Top Case
		Fig. D35	ECM Flex Unit
			Mic Dumper
		Fig. D36	1 Screw (W)
			Switch part of Flash Flex Unit
			2 Screws (X)
			Flash Base Unit
		Fig. D37	1 Screw (Y)
			2 Locking tabs
			Flash Case
		Fig. D38	Flash Insulation Sheet
			2 Locking tabs
			Flash Unit
17	Rear Case, Rear Operation Unit	Fig. D39	2 Screws (Z)
			Jack Cover Unit
		Fig. D40	2 Ribs
			1 Hook
			Rear Operation Unit
18	Barrier Motor Unit	Fig. D41	3 Screws (a)
			Front Angle (L)
			Front Angle (R)
			Barrier Motor Unit
			Barrier Select Knob
		Fig. D42	NOTE (When Installing)
19	Prism Unit, Optical Filter	Fig. D43	1 Screw (b)
			CCD Heat Sink Plate
			2 Screws (c)
			Prism Unit
			Optical Filter
20	Iris Unit	Fig. D44	Solder (20 points)
			4 Screws (d)
			3 Ribs
		Fig. D45	Iris Unit
21	Zoom Motor Unit	Fig. D46	2 Screws (e)
			Zoom Motor Unit
22	Focus Motor Unit	Fig. D47	2 Screws (f)
			Focus Motor Unit

No.	Item	Fig	Removal
23	Master Flange, 4th Lens Frame Move Unit	Fig. D48	3 Screws (g)
			Master Flange
			4th Lens Frame Move Unit
		Fig. D49	NOTE (When Installing)
24	OIS Unit	Fig. D50	OIS Unit
25	2nd Lens Frame Move Unit, Guide Pole	Fig. D51	2nd Lens Frame Move Unit
			2 Guide Poles

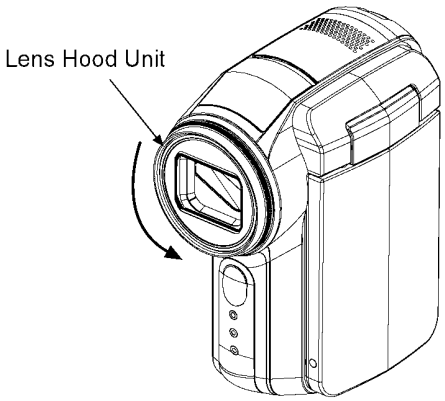
NOTE:

1. If the Card is inserted, take out it before disassemble.
2. If Battery is inserted, take out it before disassemble.



8.3.1. Removal of the Lens Hood Unit

• Rotate the Lens Hood Unit in the direction of arrow.



NOTE:(When lanstalling)

• Adjust the projection of lens hood unit to the concave portion of front case unit,

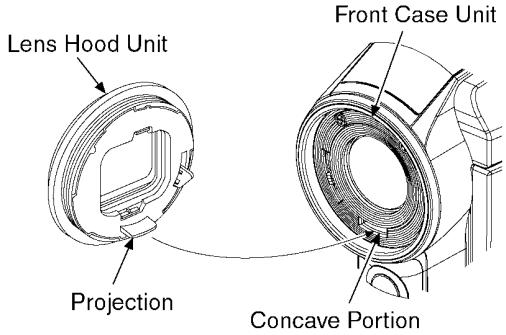


Fig. D1

8.3.2. Removal of the Side Case (R) Unit

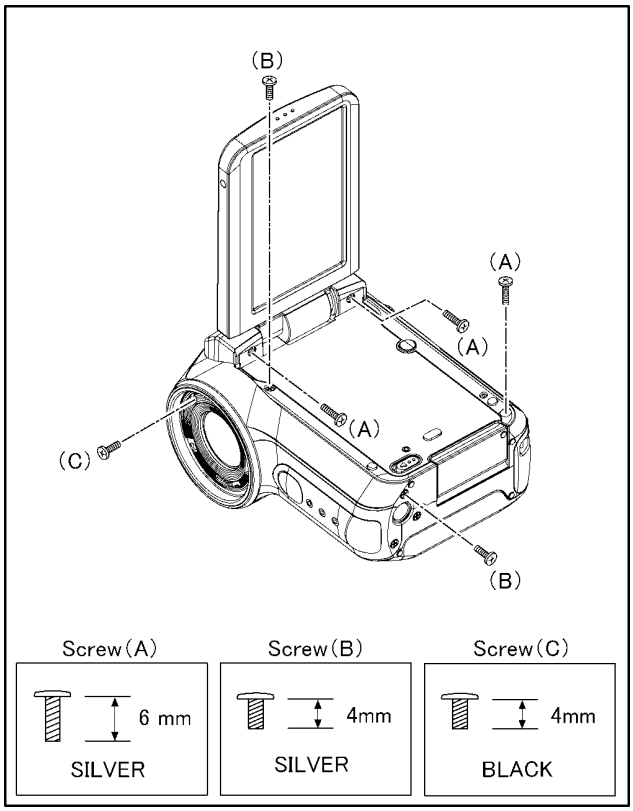


Fig. D2

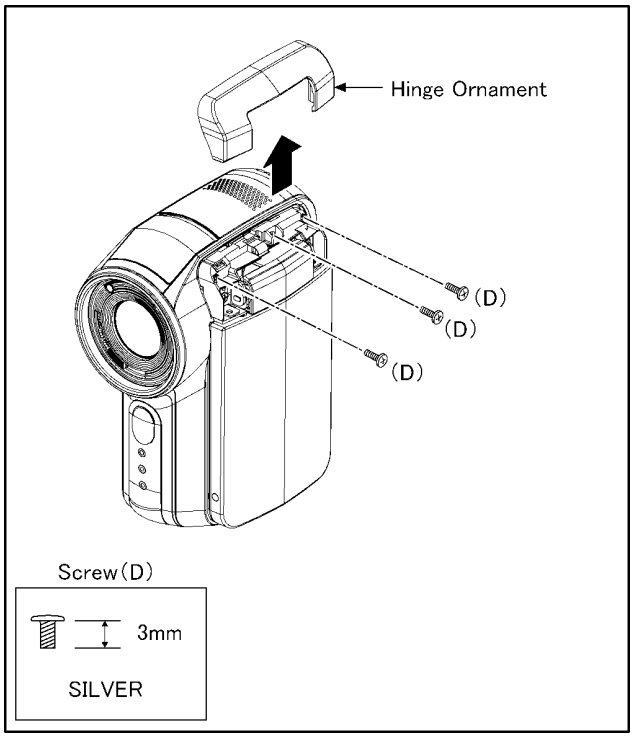


Fig. D3

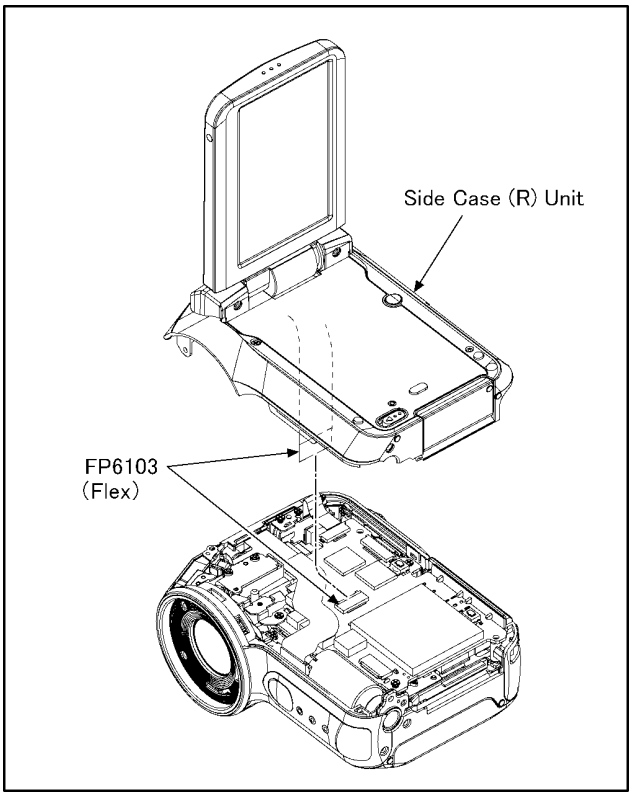


Fig. D4

NOTE: (When Installing)

1. Install the side case (R) unit with the SD cover open.
   (In order to prevent the detection switch of SD cover from being damaged)
2. Install the side case (R) unit with LCD open.
   (In order to reduce the stress for flex)

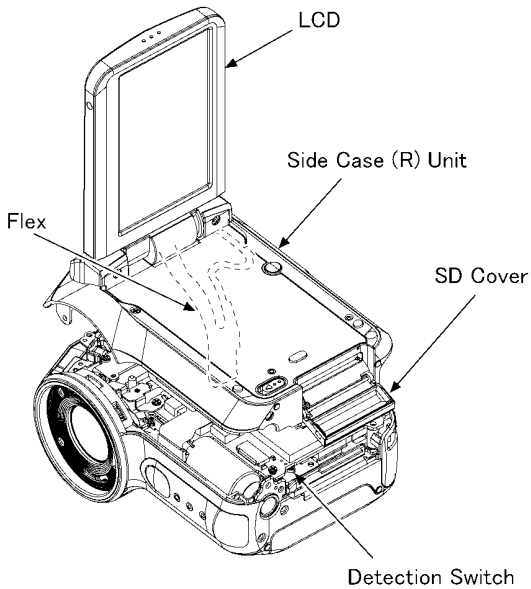


Fig. D5

8.3.3. Removal of the Side Case (L) Cover Unit

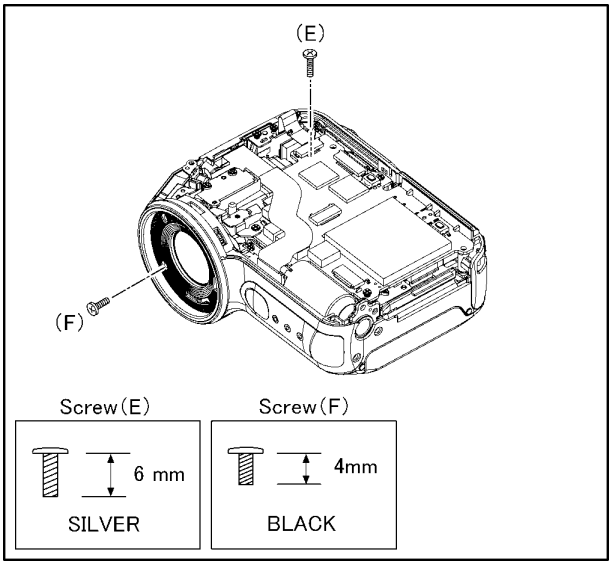


Fig. D6

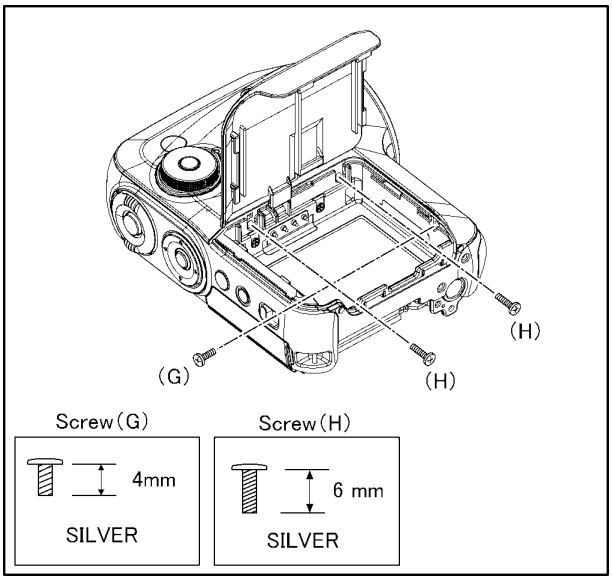


Fig. D7

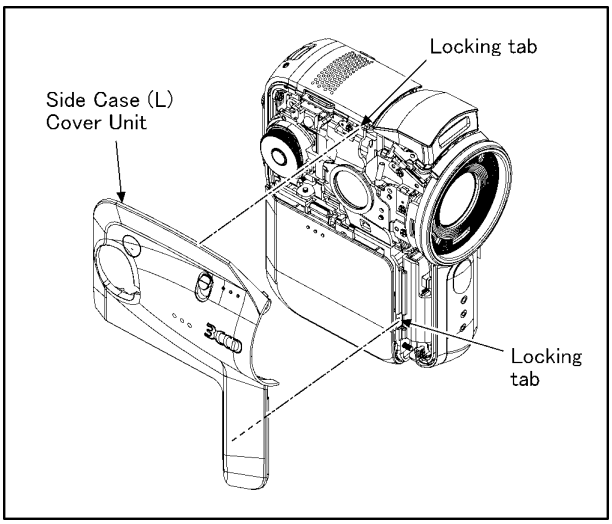


Fig. D8

8.3.4. Removal of the Front Case Unit

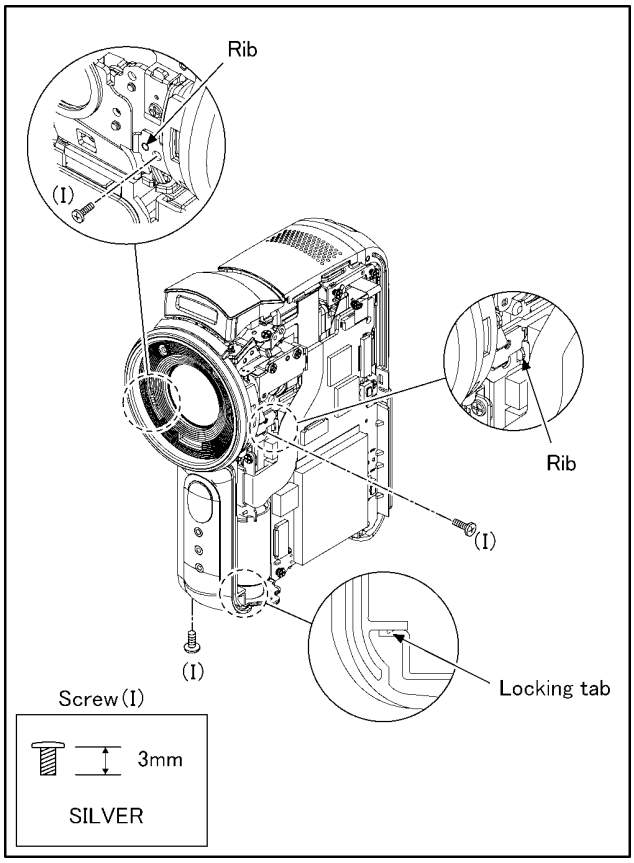


Fig. D9

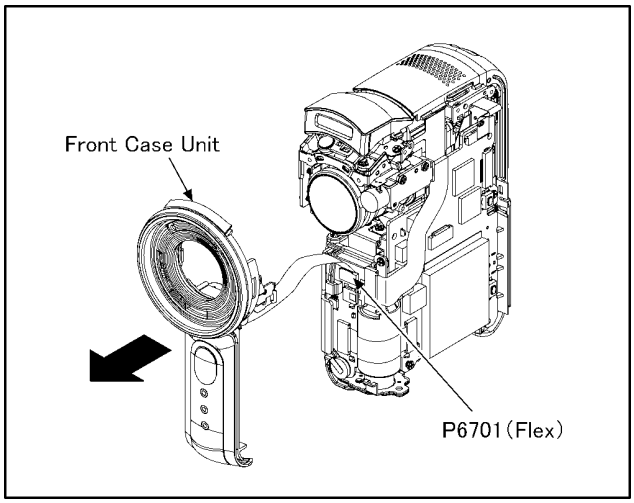
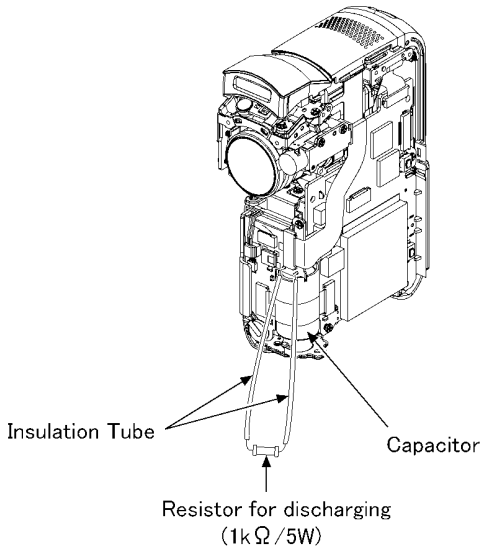


Fig. D10



⚠ CAUTION

Be sure to discharge the capacitor unit.

1. Put the insulation tube on the lead part of resistor (ERG5SJ102:1kΩ/5W).
2. Put the resistor between both terminals of capacitor unit for approx. 5 seconds.
3. After discharging confirm that the capacitor voltage is sufficiently lowered using a voltmeter.

Fig. D11

8.3.5. Removal of the Rear Case Unit

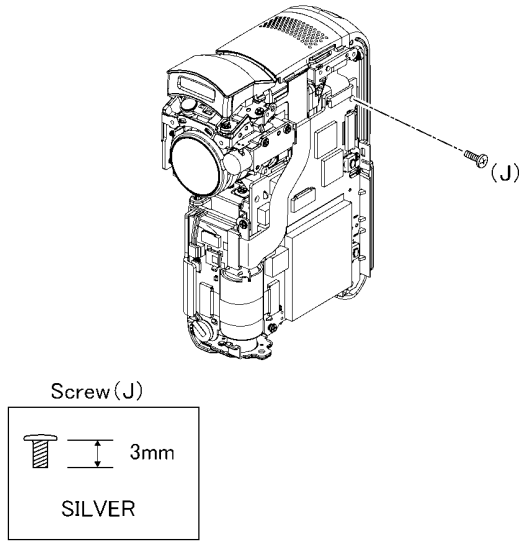


Fig. D12

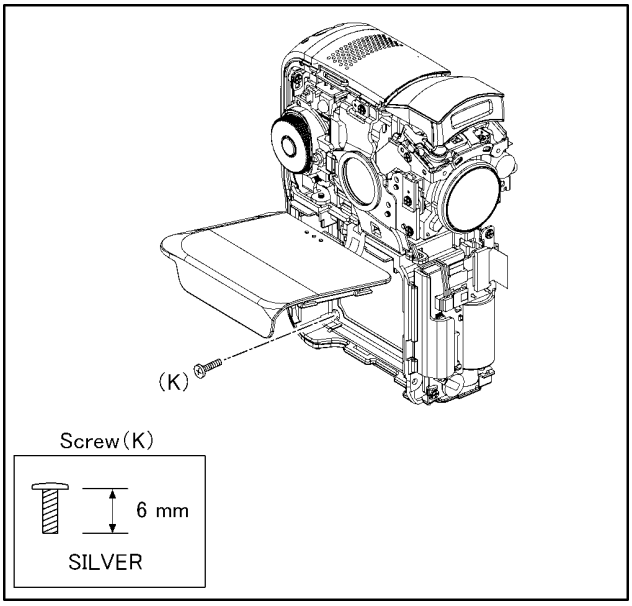


Fig. D13

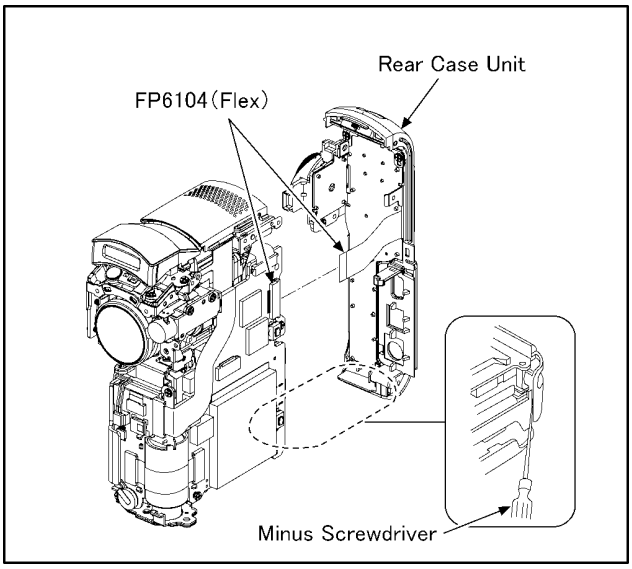


Fig. D14

8.3.6. Removal of the Top Case Unit

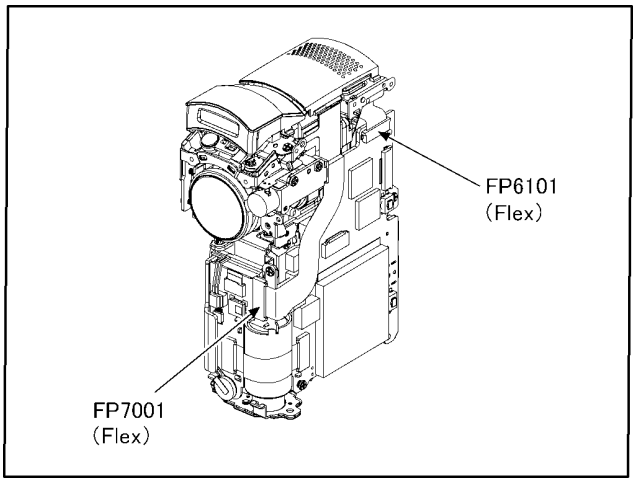


Fig. D15

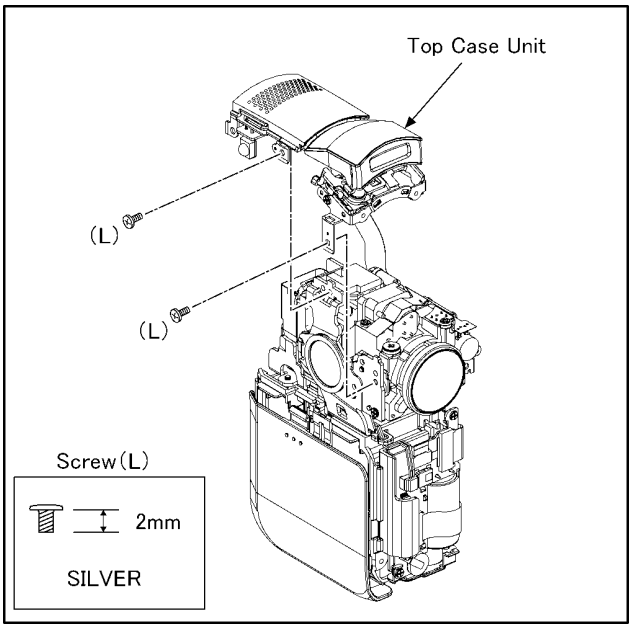


Fig. D16

8.3.7. Removal of the Main (R) PCB

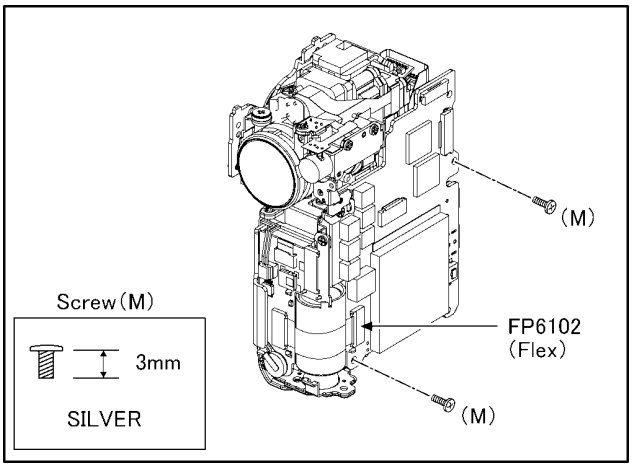


Fig. D17

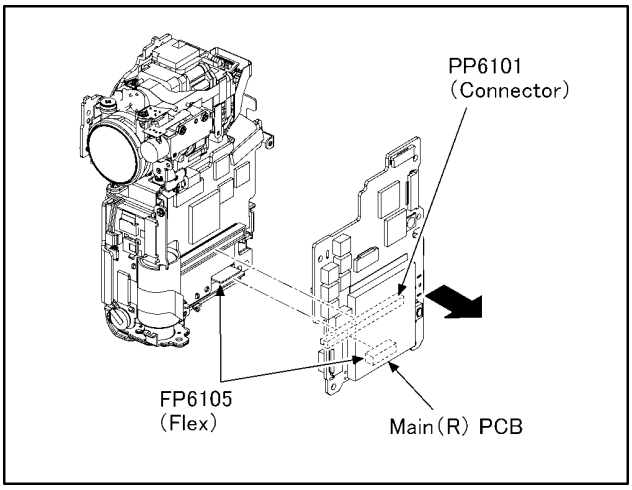


Fig. D18

8.3.8. Removal of the Lens Unit

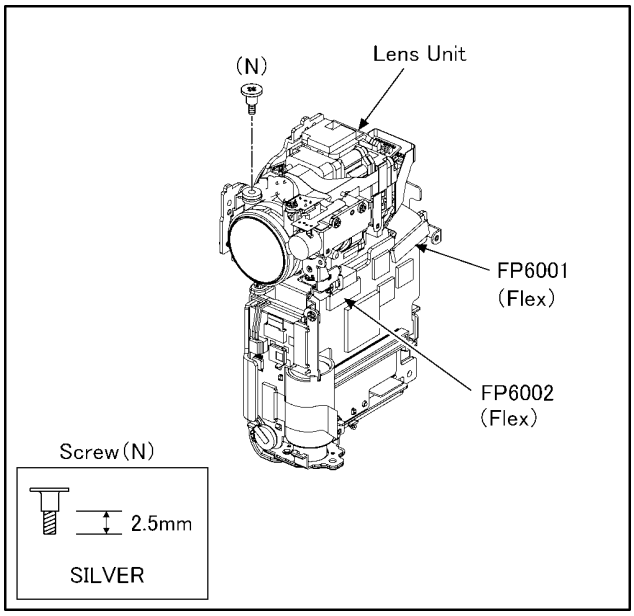


Fig. D19

8.3.9. Removal of the Main (L) PCB

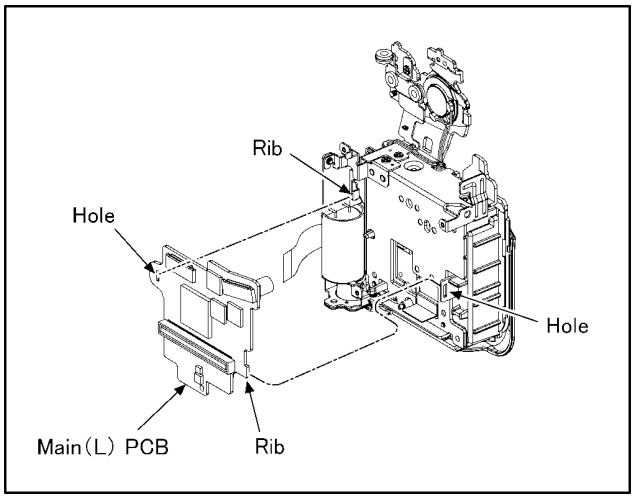


Fig. D20

8.3.10. Removal of the Front PCB

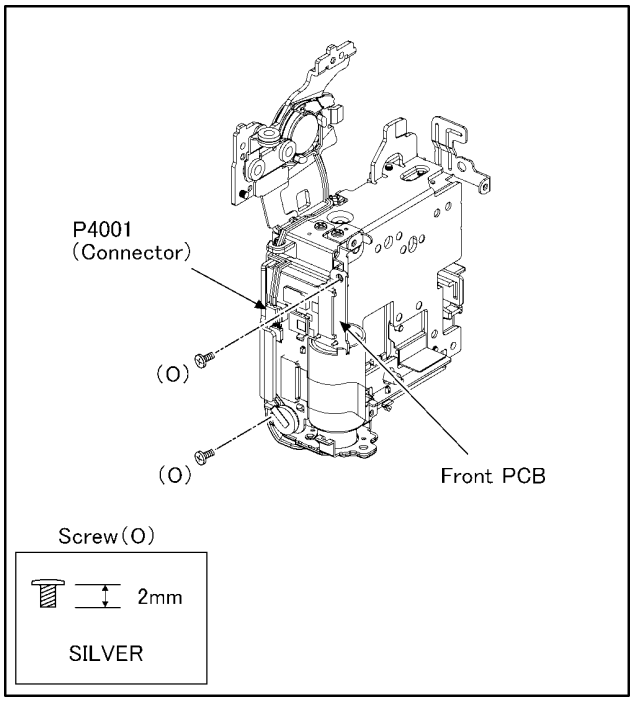


Fig. D21

8.3.11. Removal of the LCD Unit

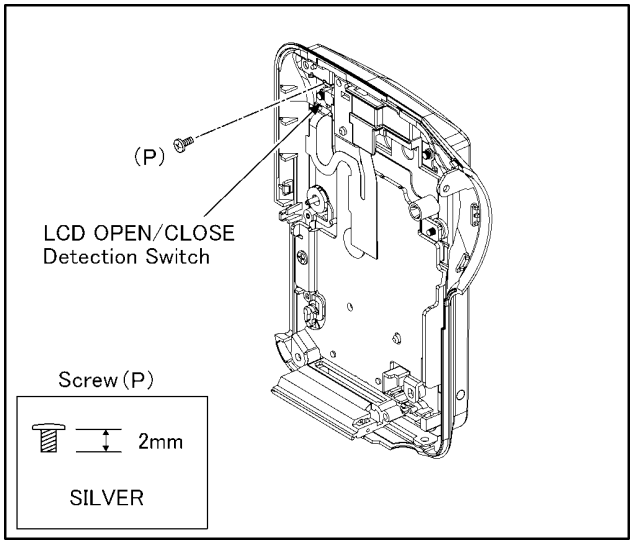


Fig. D22

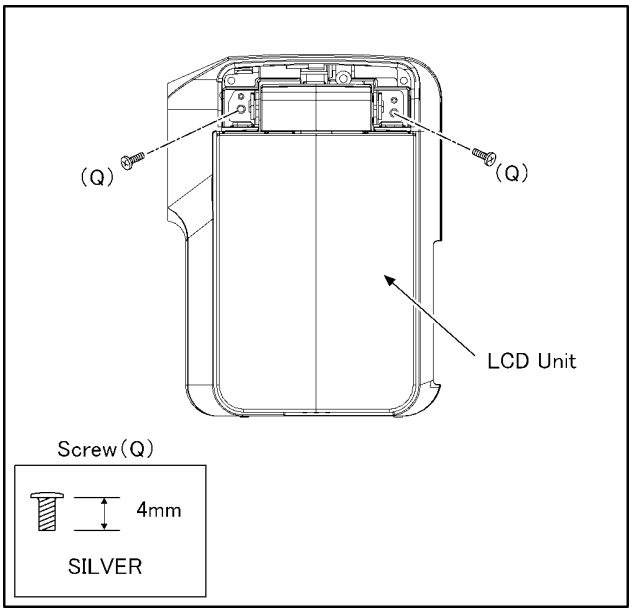


Fig. D23

NOTE: (When Installing)

1. Install the LCD OPEN/CLOSE Detection Swtch with the LCD open.
2. Never bend the flex strongly when installing, and pay attention to the breaking of flex.

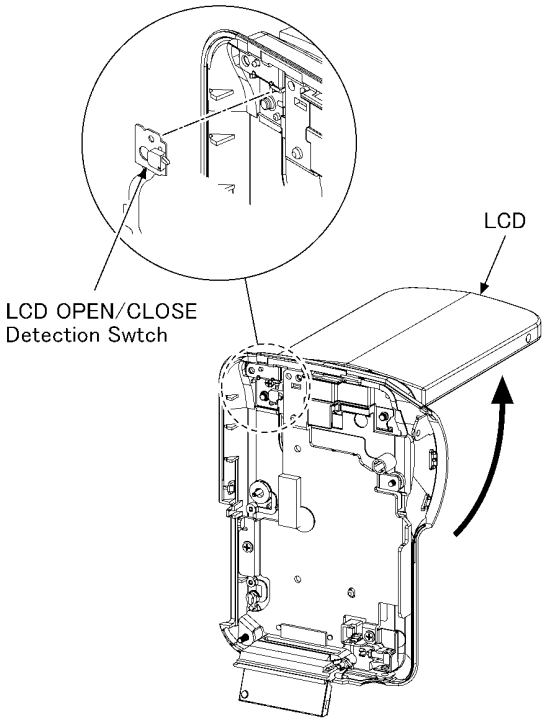


Fig. D24

8.3.12. Removal of the Monitor PCB

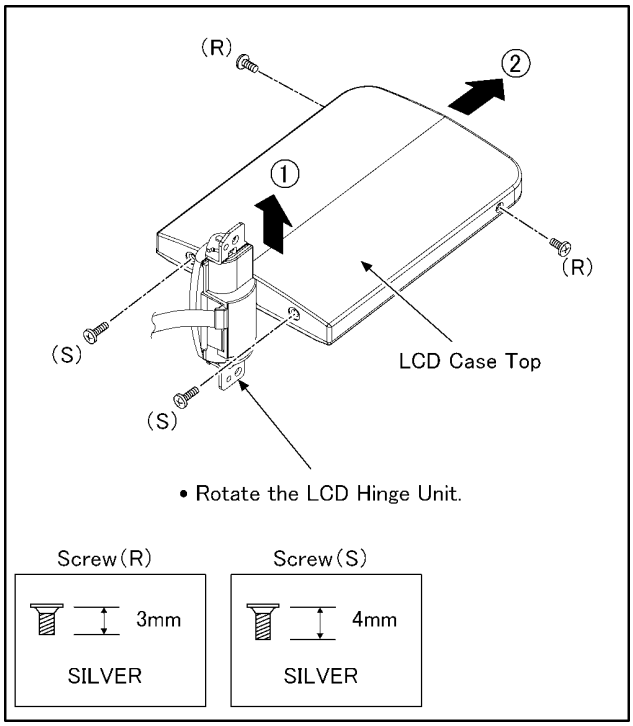


Fig. D25

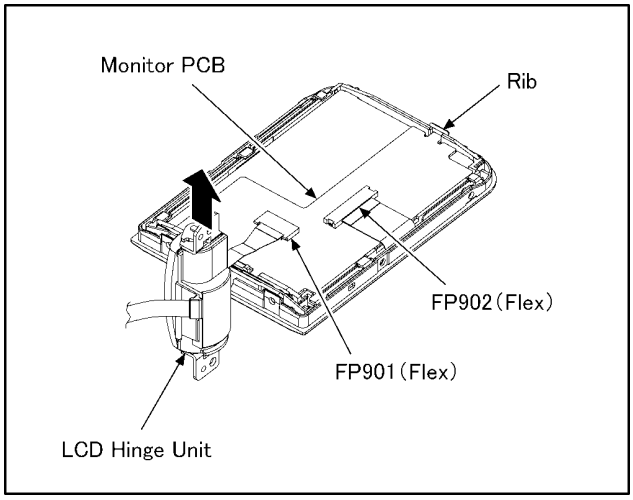


Fig. D26

8.3.13. Removal of the LCD

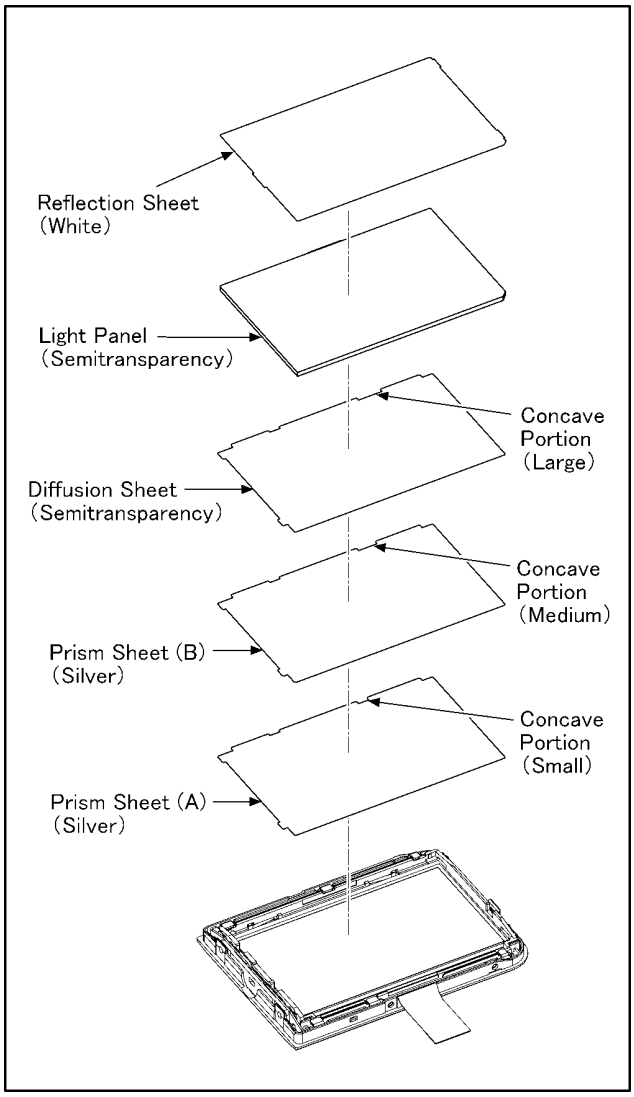


Fig. D27

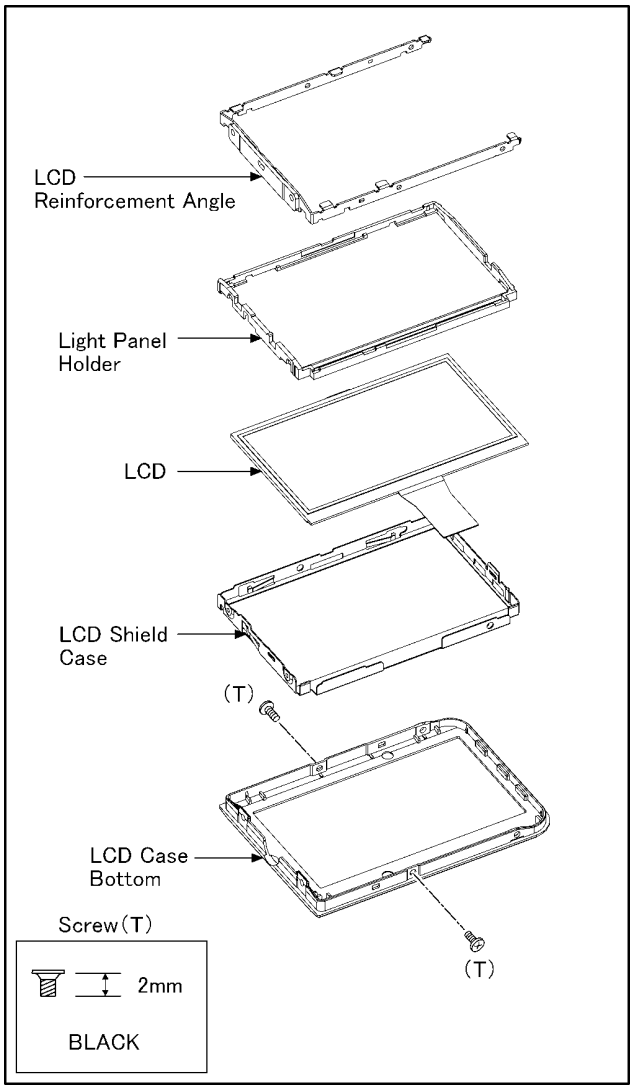


Fig. D28

8.3.14. Removal of the SD Cover, SD Cover Detection Knob and SD Cover Detection Spring

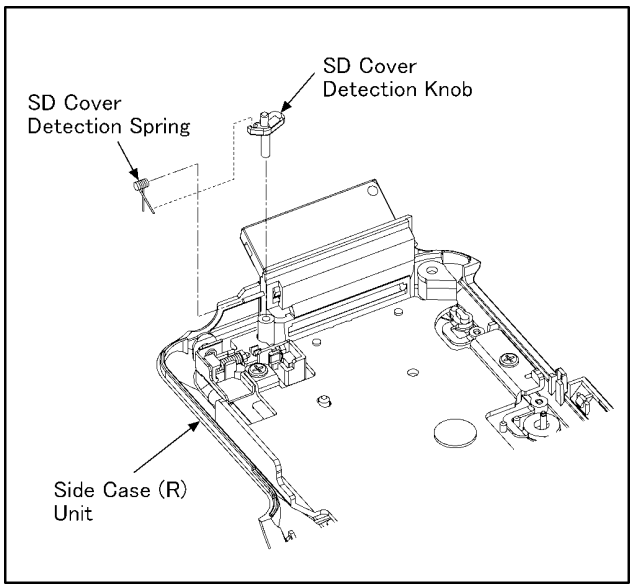


Fig. D29

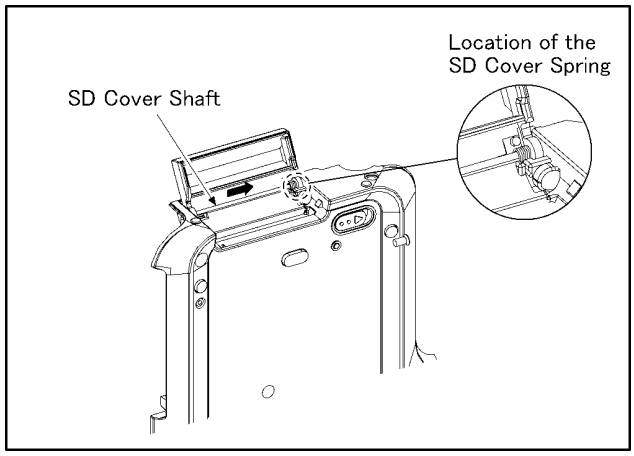


Fig. D30

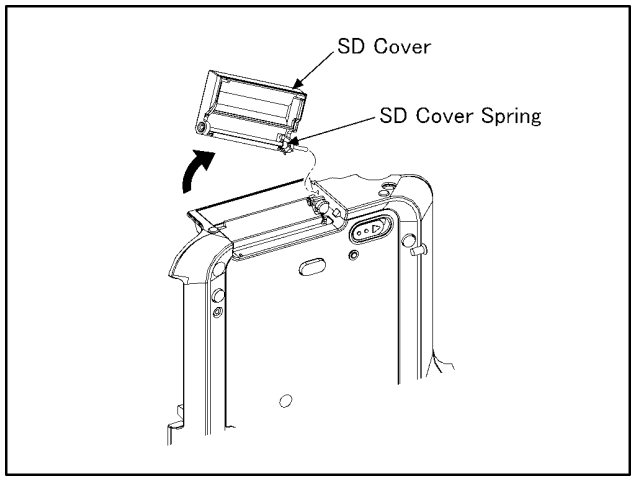


Fig. D31

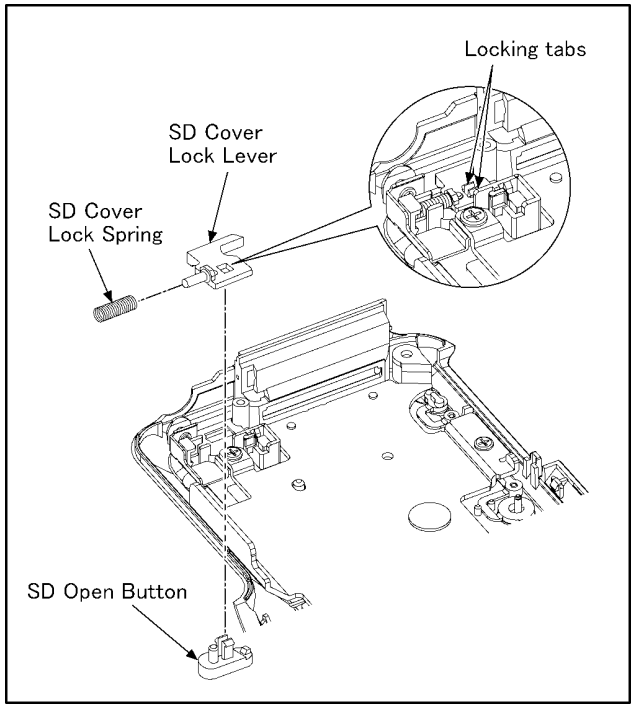


Fig. D32

8.3.15. Removal of the Mic PCB

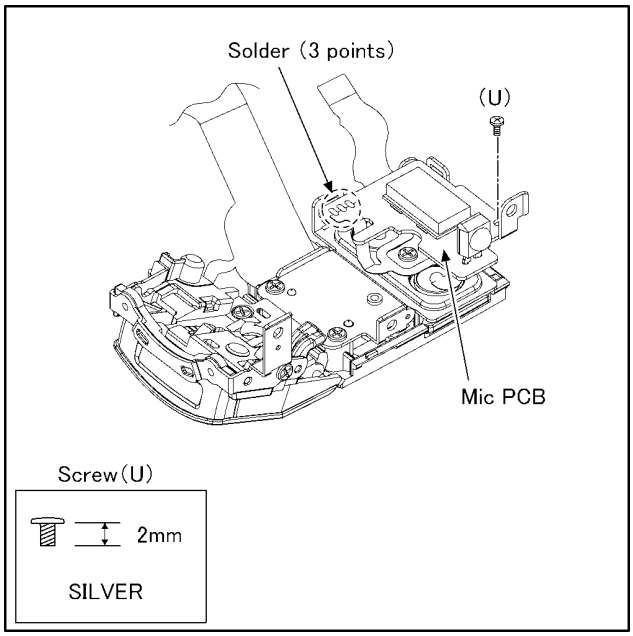


Fig. D33

8.3.16. Removal of the ECM Flex Unit and Flash Unit

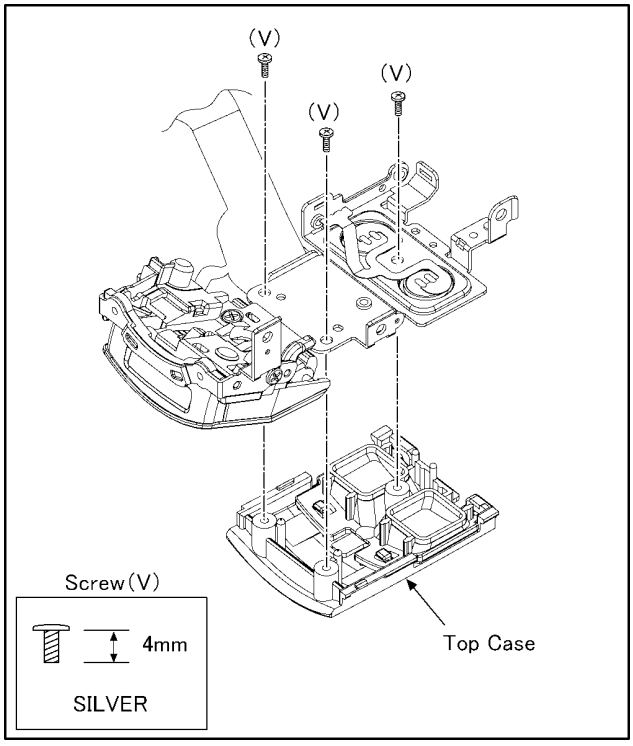


Fig. D34

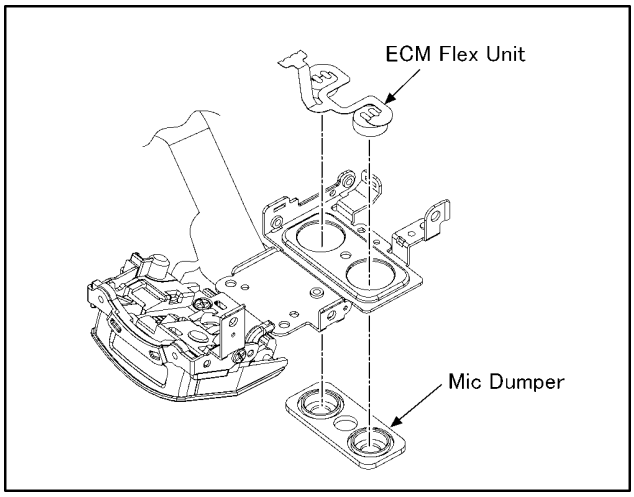


Fig. D35

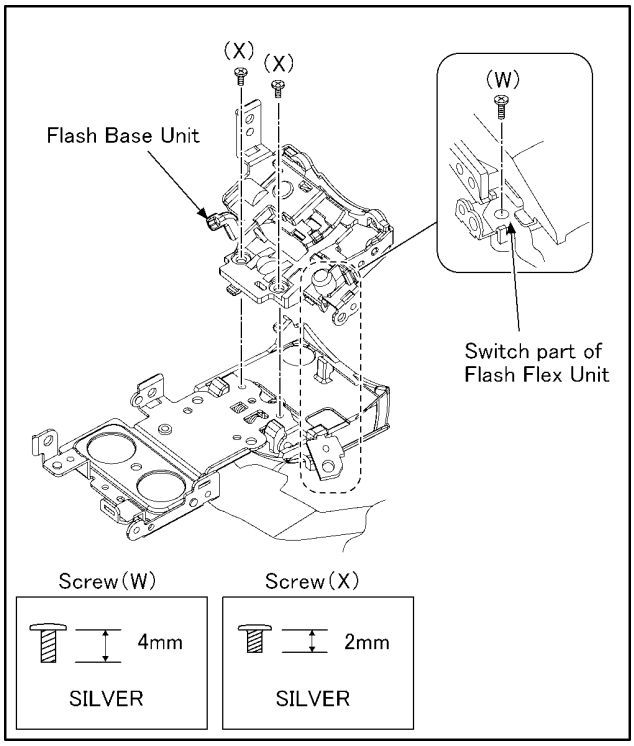


Fig. D36

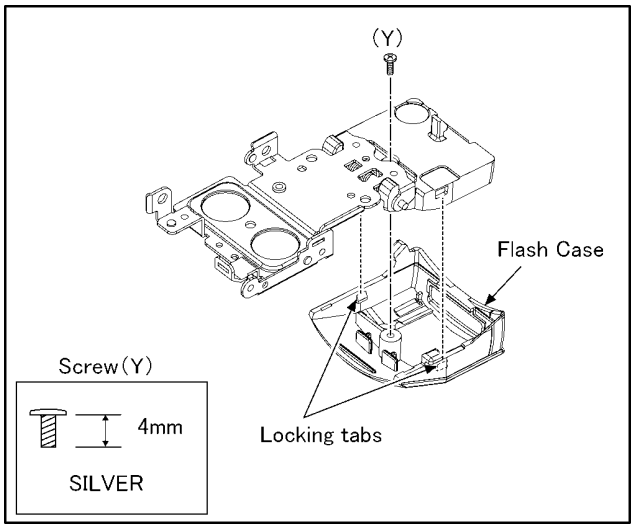


Fig. D37

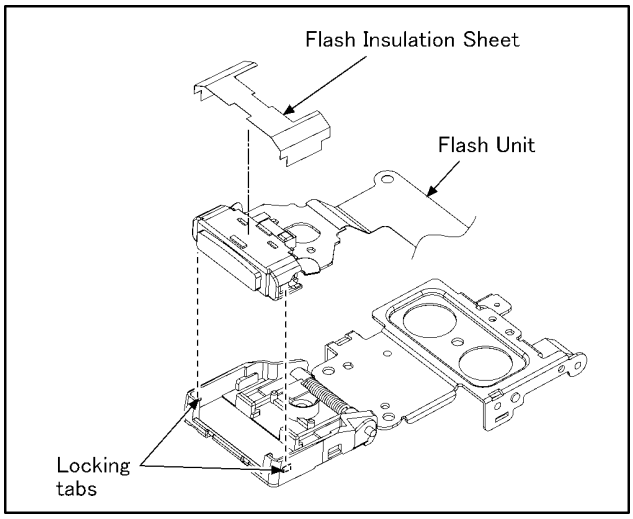


Fig. D38

8.3.17. Removal of the Rear Case and Rear Operation Unit

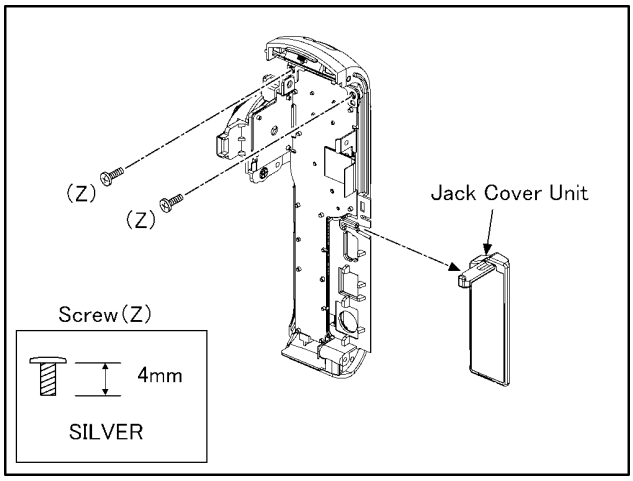


Fig. D39

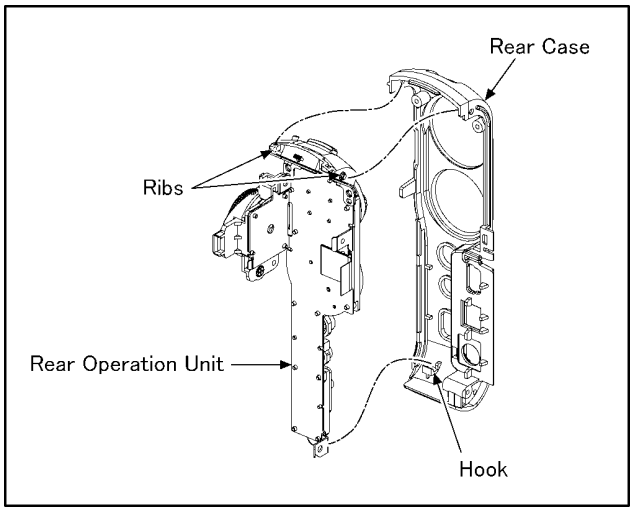


Fig. D40

8.3.18. Removal of the Barrier Motor Unit

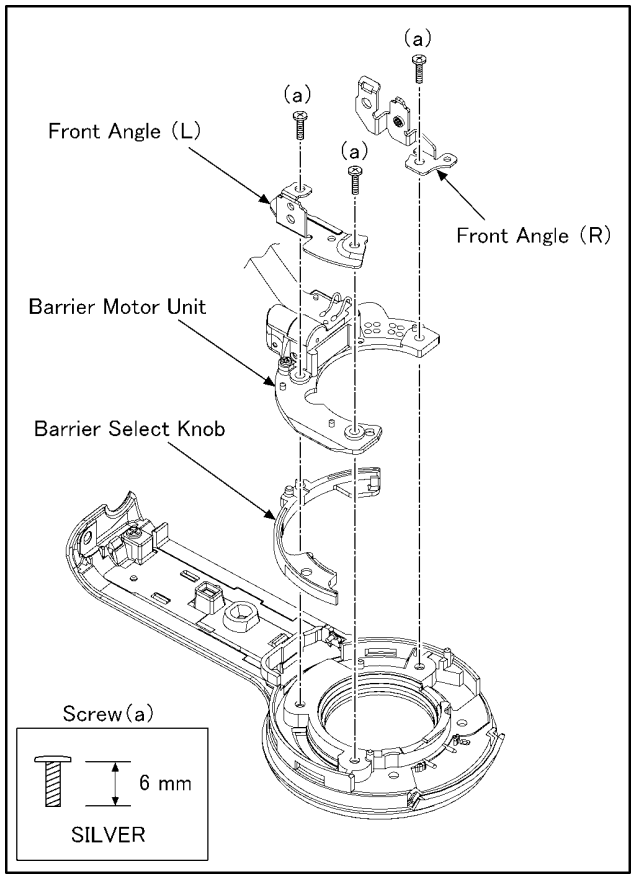


Fig. D41

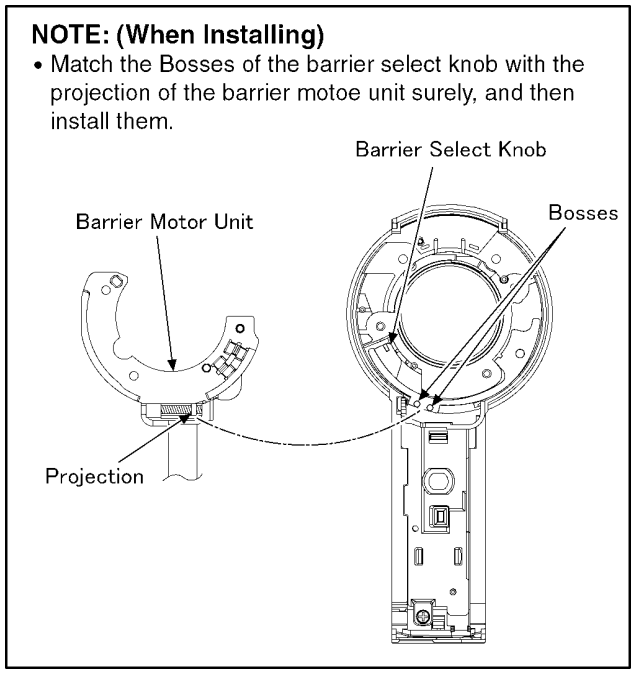
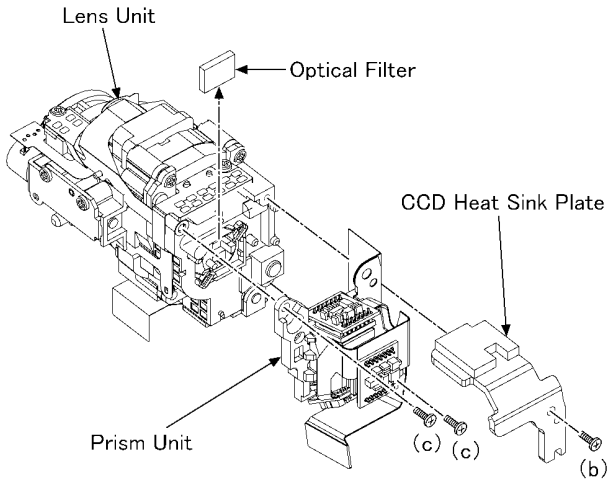

NOTE: (When Installing)
• Match the Bosses of the barrier select knob with the projection of the barrier motoe unit surely, and then install them.
Barrier Select Knob
Barrier Motor Unit
Bosses
Projection

Fig. D42

8.3.19. Removal of the Prism Unit and Optical Filter



NOTE: (When Installing)

1. As the prism unit is the part related to the performance of the unit, be careful to handling.
2. Be careful not to damage the optical filter.

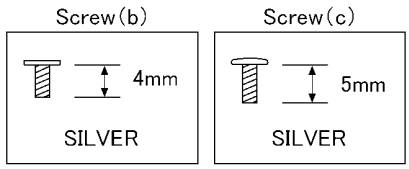


Fig. D43

8.3.20. Removal of the Iris Unit

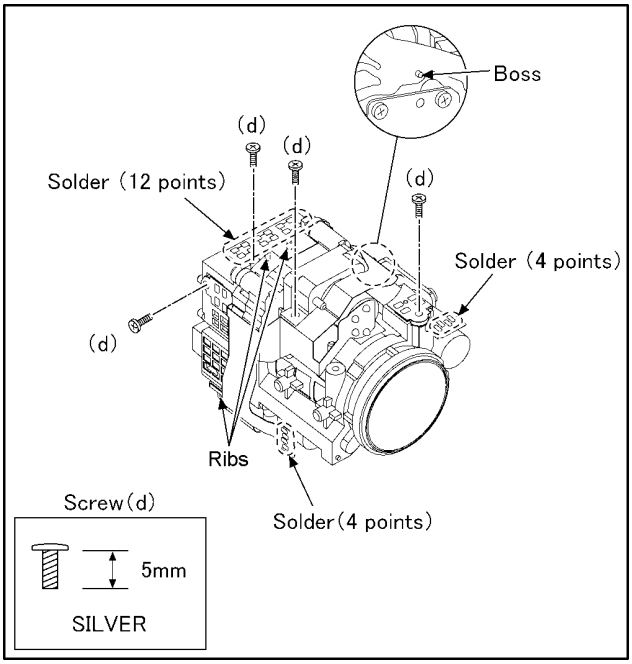
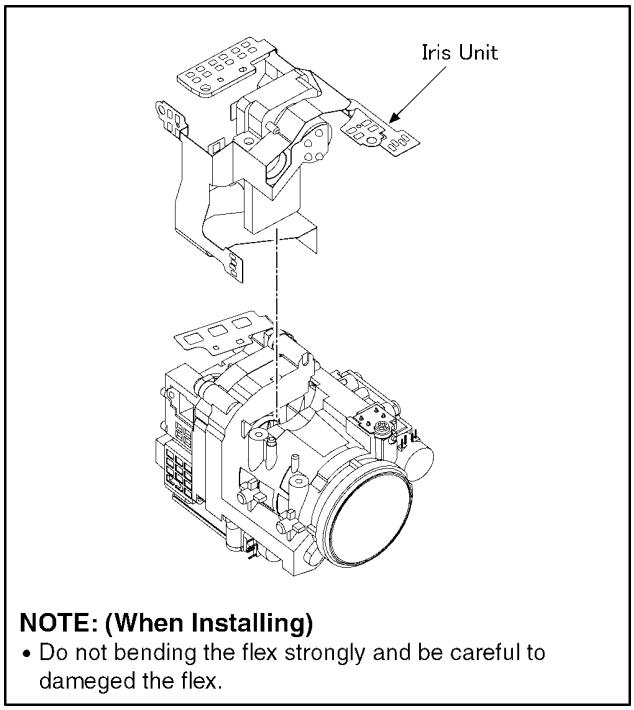


Fig. D44

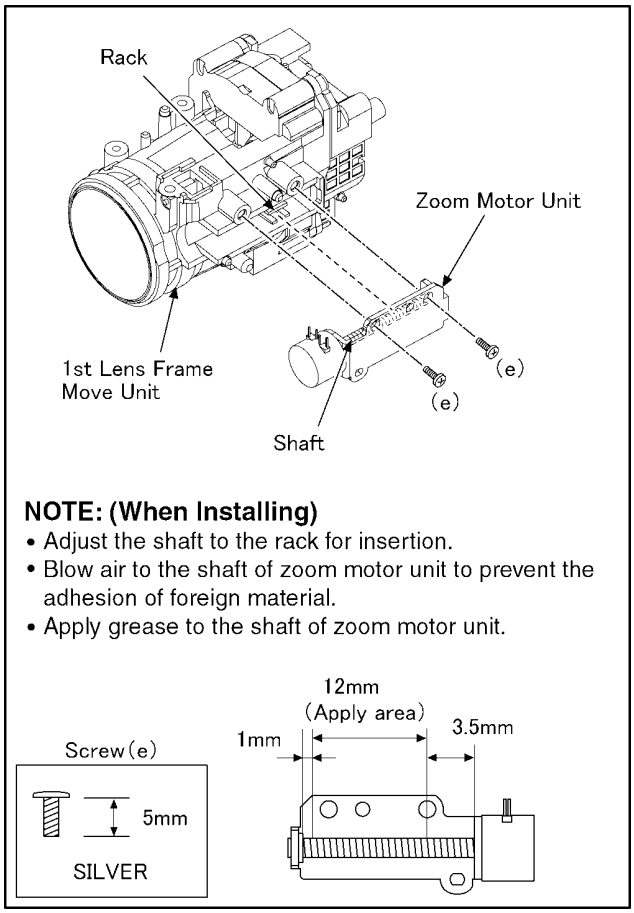


NOTE: (When Installing)

- Do not bending the flex strongly and be careful to dameged the flex.

Fig. D45

8.3.21. Removal of the Zoom Motor Unit

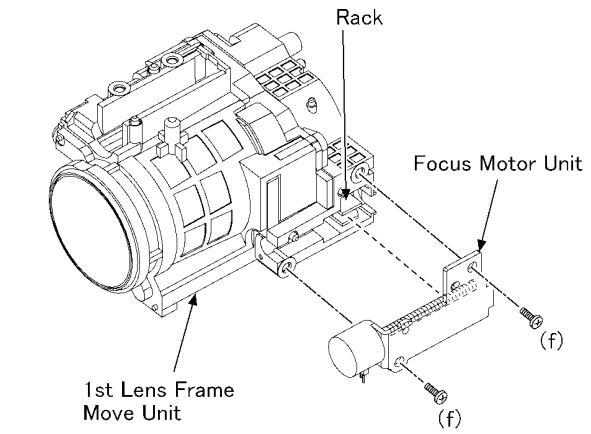


NOTE: (When Installing)

- Adjust the shaft to the rack for insertion.
- Blow air to the shaft of zoom motor unit to prevent the adhesion of foreign material.
- Apply grease to the shaft of zoom motor unit.

Fig. D46

8.3.22. Removal of the Focus Motor Unit



NOTE: (When Installing)

- Adjust the shaft to the rack for insertion.
- Blow air to the shaft of focus motor unit to prevent the adhesion of foreign material.
- Apply grease to the shaft of focus motor unit.

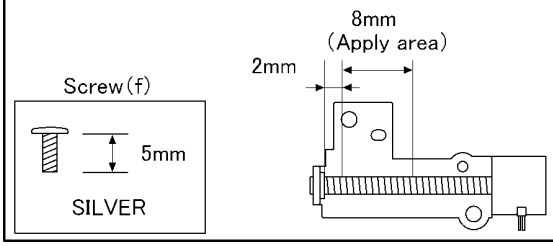
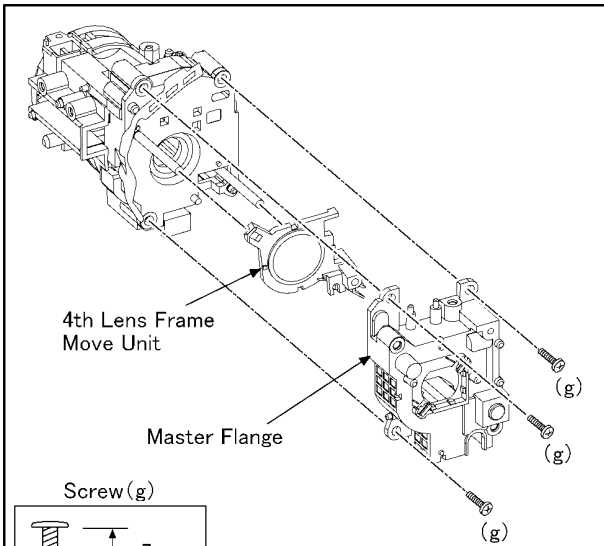


Fig. D47

8.3.23. Removal of the Master Flange and 4th Lens Frame Move Unit



NOTE:

- Never touch the lens surface of 4th lens frame move unit.

Fig. D48

NOTE: (When Installing)

1. Move the rack in the direction of the arrow to install 4th lens frame move unit to the guide pole.
2. Be careful to that any foreign particle or dust may not adhere on the lens part of 4th lens frame move unit.
3. Match the positioning hole of master flange to the positioning pin of 1st lens frame move unit.
4. Make sure that the master flange does not contact with the rack when inserting.

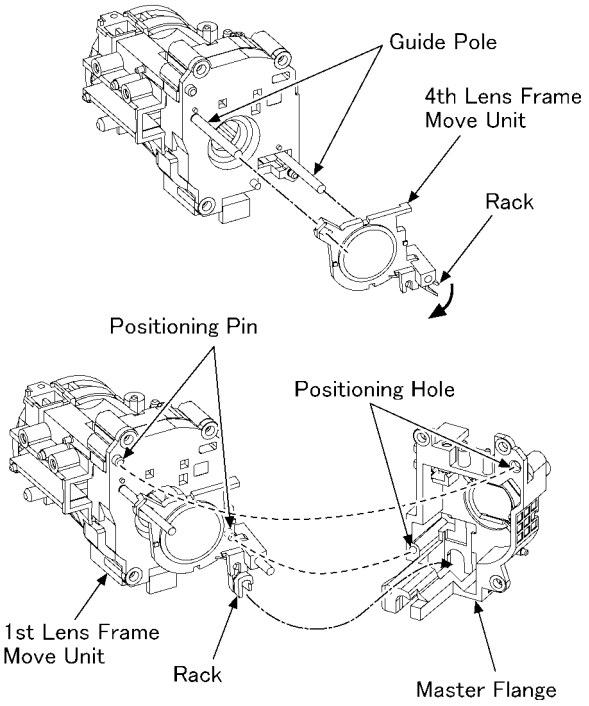
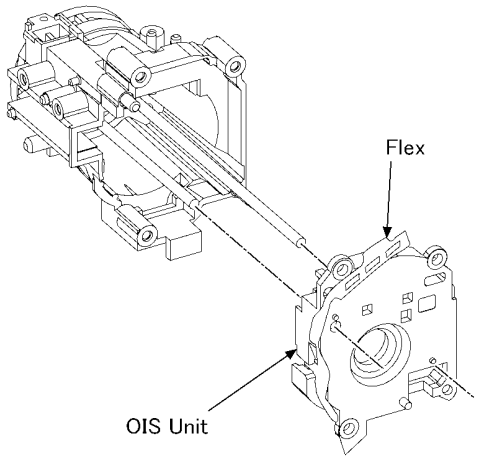


Fig. D49

8.3.24. Removal of the OIS Unit

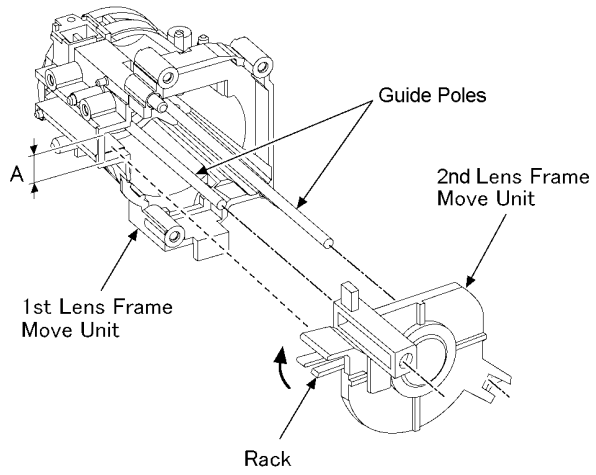


NOTE: (When Installing)

1. Be careful to that any foreign particle or dust may not adhere on the lens part of OIS unit.
2. Take care for pinching and break of flex.

Fig. D50

8.3.25. Removal of the 2nd Lens Frame Move Unit and Guide Pole



NOTE: (When Installing)

1. Move rack so as to set in the A range of 1st lens frame move unit.
2. Apply grease to the guide pole.
3. Be careful to that any foreign particle or dust may not adhere on the lens part of 2nd lens frame move unit.

Fig. D51

9 Measurements and Adjustments

9.1. Electric Adjustment

Even if the MAIN PCB (L), (R) is replaced as a unit, it must be achieved the adjustment and factory setting. The adjustment in this unit is separated two types as shown below.

The adjustment instruction is available at "Software download" on the "Support Information from NWBG/VDBG-PAVC" web-site in "TSN System".

- An exclusive jig and PC (including software for adjustment) are necessary for electric adjustment
- Connection method of the main unit and an exclusive adjustment jig as follows

Figure of connection

- Install the EVR jig to PS6002 of Main PCB (L). (Refer to the disassembly procedure)

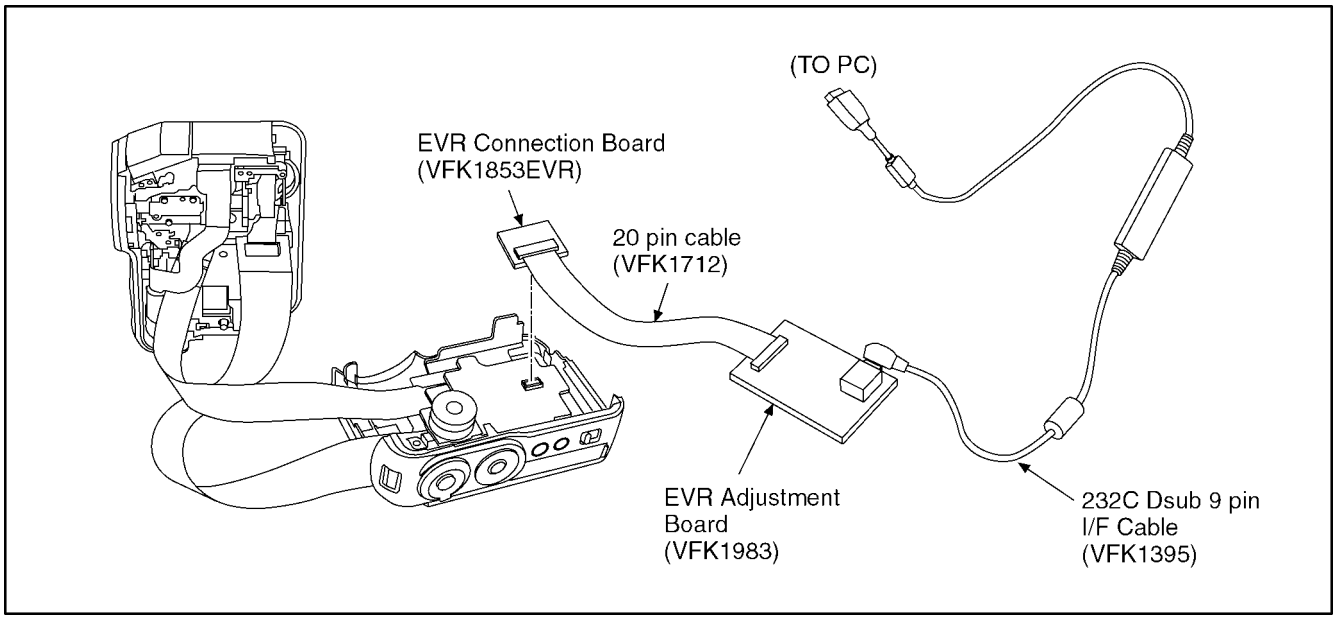
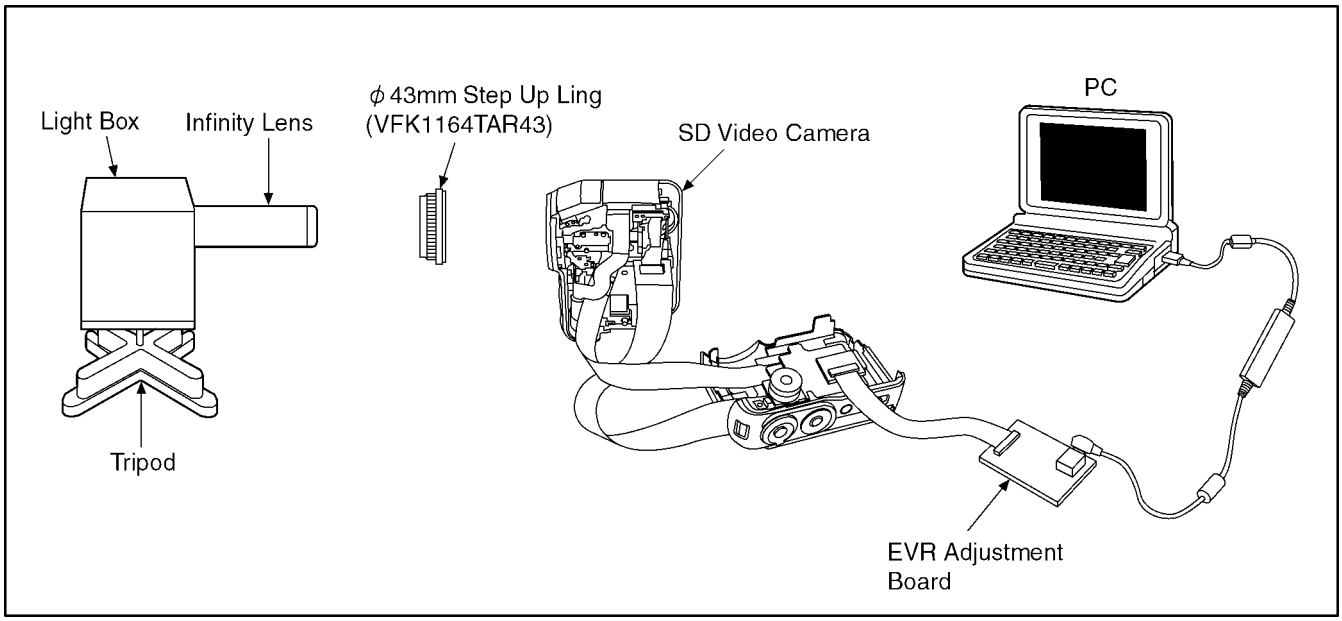
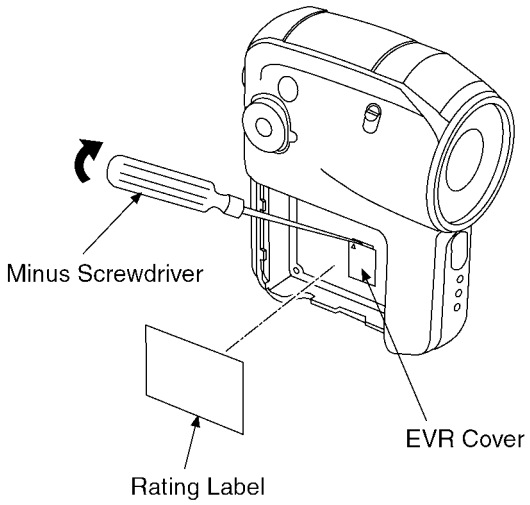


Figure of image when adjustment



Connection points of other main unit

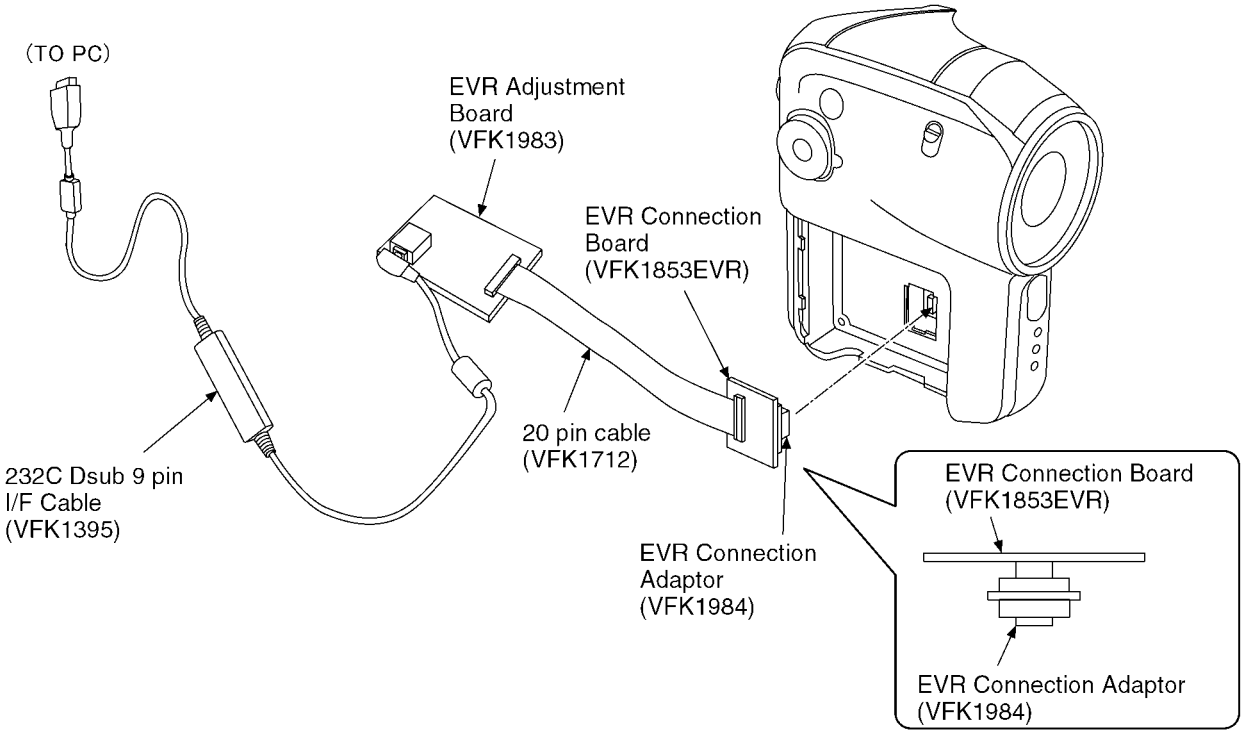


● Remove the EVR Cover, and then connect an exclusive jig to the EVR connector.

1. Tear off the rating label.
2. It is shallow and inserts a thin minus screwdriver, and put it to the direction of arrow, and then remove the loking tab.
3. Remove the EVR cover.

NOTE:
When tear off the rating label, then impossible to use it.
Therefore when adjustment it, carry it out in a former item.

Figure of other connection


(TO PC)
EVR Adjustment Board (VFK1983)
EVR Connection Board (VFK1853EVR)
20 pin cable (VFK1712)
232C Dsub 9 pin I/F Cable (VFK1395)
EVR Connection Adaptor (VFK1984)
EVR Connection Board (VFK1853EVR)
EVR Connection Adaptor (VFK1984)

Part Number of jig

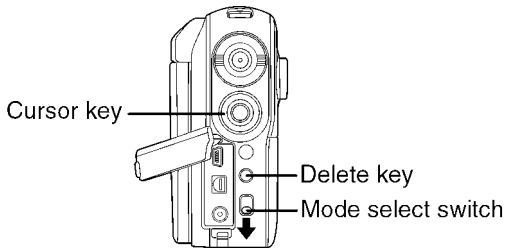
• Only a necessary jig mentions it in setup of electric adjustment.

No.	Part Name	Part Number	Remarks
1	PC	------	
2	232C Dsub 9 pin I/F Cable	VFK1395	
3	EVR Adjustment Board	VFK1983	
4	20 pin Cable	VFK1712	
5	EVR Connection Board	VFK1853EVR	
6	EVR Connection Adaptor	VFK1984	

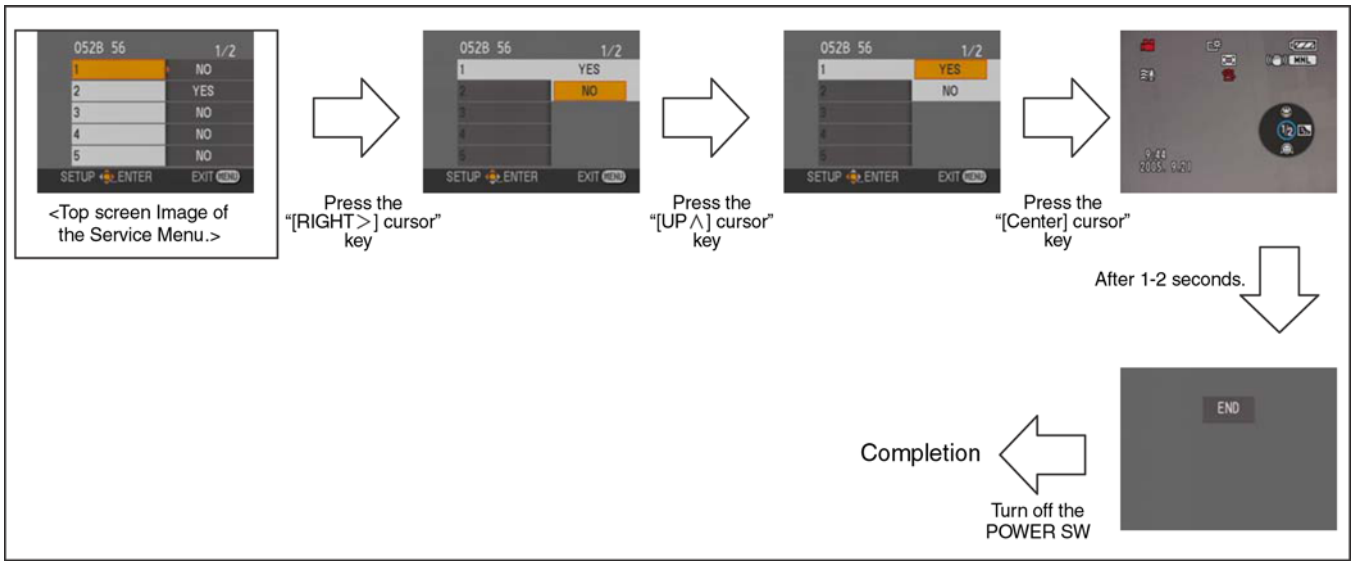
10 Factory Setting

10.1. HOW TO TURN ON THE FACTORY SETTINGS?

1. Set the mode dial **other than** PC connection mode.
2. While keep pressing the “[LEFT<] of cursor” key and “delete” key, hold down the Mode Select Switch towards to “[FOCUS]” position for more than 3 seconds until the top screen of the Service Menu being displayed.



3. Under the condition of the Item No.”1” is yellow high lighted, press the “[RIGHT>] of cursor“ key.
4. By pressing the “[UP ^] of cursor” key, then press the “[center] of cursor” key.
5. After few seconds “END” is displayed on LCD monitor. Turn off the power as a completion of the “FACTORY SETTINGS”.



10.2. WHAT IS THE FACTORY SETTINGS?

The factory settings clean up and/or refresh the following settings.

1. The OSD MENU setting data.
2. Deletion only for all scene files in a card and format of the MPEG2 file system area.
3. Reset the folder number and file number of still pictures.
   (Setting the folder number is 100, and file number is 0.)
4. Clear the mechanism lock information.
5. Clear the service mode information contents.

The setting position of factory settings:

Name	Setting position
Power switch	OFF
Mode select switch	AUTO
Mode dial	Motion picture recording mode

VM0509041CE

Service Manual

Diagrams and Replacement Parts List

SD Video Camera

SDR-S100PP
SDR-S100E
SDR-S100EB
SDR-S100EG
SDR-S100GC
SDR-S100GK
Colour

Vol. 1
Colour
(S).....Silver Type

S1. About Indication of The Schematic Diagrams

S1.1. Important Safety Notice

COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS USE ONLY THE SAME TYPE.

1.Although reference number of the parts is indicated on the P.C.B. drawing and/or schematic diagrams, it is NOT mounted on the P.C.B. when it is displayed with "$" mark.

2.It is only the "Test Round" and no terminal (Pin) is available on the P.C.B. when the TP (Test Point) indicated as "●" mark.

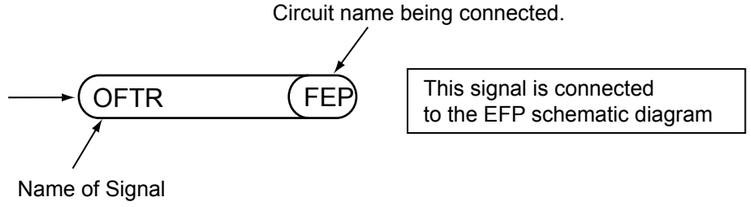
3.The voltage being indicated on the schematic diagram is measured in "Standard-Playback" mode when there is no specify mode is mentioned.

4.Although the voltage and waveform available on here is measured with standard frame, it may be differ from actual measurement due to modification of circuit and so on.

5.The voltage being indicated here may be include observational-error (deviation) due to internal-resistance and/or reactance of equipment. Therefore, handle the value indicated on here as reference.

6.Use the parts number indicated on the Replacement Parts List .

7.Indication on Schematic diagrams:



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S2. Voltage Chart

S2.1. Monitor P.C.B.

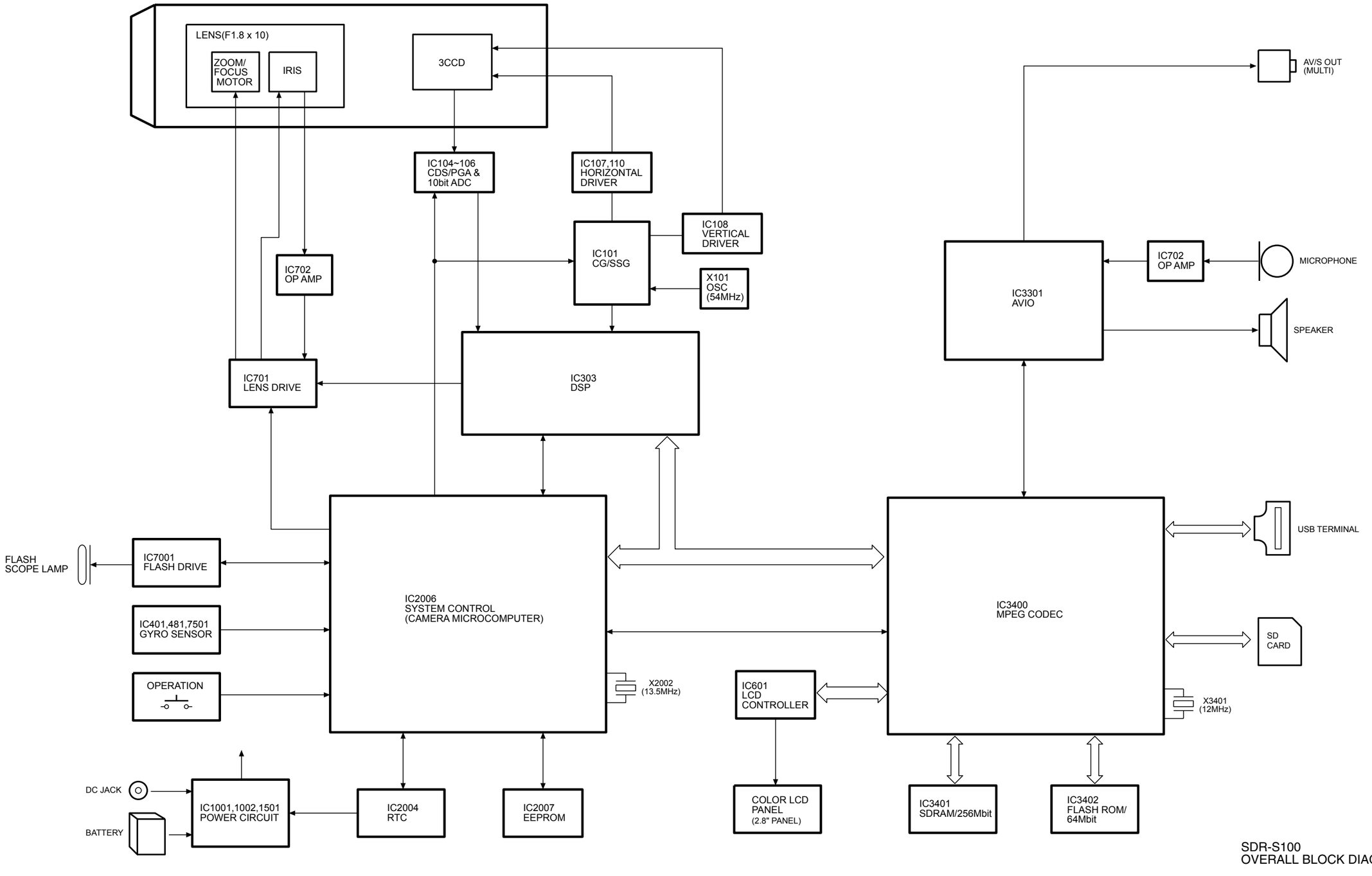
REF No.	PIN No.	REC
IC901	1	2.4
IC901	2	0.2
IC901	3	0.1
IC901	4	0.4
IC901	5	3
IC903	1	8.5
IC903	2	0.1
IC903	3	0
IC903	4	3
IC903	5	8.5
IC904	1	3
IC904	2	0.4
IC904	3	0.4
IC904	4	2.9
IC904	5	2.7
IC904	6	0.4
IC904	7	0.1
IC904	8	0.1
IC904	9	3
IC904	10	0
IC904	11	0
IC904	12	2.4
IC904	13	3
IC904	14	3
IC905	1	0
IC905	2	3
IC905	3	0.1
IC905	4	3
IC905	5	3
IC4801	1	2.4
IC4801	2	2.4
IC4801	3	2.4
IC4801	4	0
IC4801	5	2.4
IC4801	6	2.4
IC4801	7	2.4
IC4801	8	4.7
IC6702	1	2.9
IC6702	2	0
IC6702	3	0
IC6702	4	0
IC6702	5	0
IC6702	6	0.1
IC6702	7	0.1
IC6702	8	0
IC7501	1	1.2
IC7501	2	1.3
IC7501	3	1
IC7501	4	0
IC7501	5	0.9
IC7501	6	1.3
IC7501	7	1.3
IC7501	8	2.9
Q491	E	3.7
Q491	C	4.7
Q491	B	1.2
Q492	E	3.2
Q491	C	4.7
Q491	B	3.7
Q492	E	3.2
Q491	C	4.7
Q491	B	3.7
Q902	E	0.5
Q902	C	1.5
Q902	B	1.2
Q903	E	0.5
Q903	C	1.5
Q903	B	1.2

REF No.	PIN No.	REC
Q904	E	0.5
Q904	C	1.5
Q904	B	1.2
Q905	E	0.1
Q905	C	-4.1
Q905	B	0.1
Q906	E	0.5
Q906	C	1.5
Q906	B	1.2
Q907	E	0.5
Q907	C	1.5
Q907	B	1.2
Q908	E	0.5
Q908	C	1.5
Q908	B	1.2
Q913	E	1.2
Q913	C	0.1
Q913	B	0.6
Q990	E	8.4
Q990	C	0.1
Q990	B	7.9
Q991	E	8.4
Q991	C	8.4
Q991	B	7.8
Q992	E	8.4
Q992	C	8.4
Q992	B	7.8
Q1522	1	9.4
Q1522	2	9.4
Q1522	3	0
Q1522	4	9.3
Q1522	5	9.4
Q1522	6	9.4
Q4803	E	4.1
Q4803	C	4.7
Q4803	B	4.6
Q7001	E	0
Q7001	C	0
Q7001	B	0.6
Q7002	E	0
Q7002	C	9.4
Q7002	B	0
Q7003	E	0
Q7003	C	2.6
Q7003	B	0
Q7004	1	0
Q7004	2	0
Q7004	3	0
Q7004	4	4.7
Q7004	5	4.2
Q7004	6	3.6
QR990	E	0.1
QR990	C	7.1
QR990	B	0
QR991	E	0.1
QR991	C	0.1
QR991	B	2.8
QR992	E	0.1
QR992	C	0.1
QR992	B	2.8
QR6701	E	0
QR6701	C	2.2
QR6701	B	0
QR6702	E	0
QR6702	C	2.2
QR6702	B	0
QR6703	E	2.9
QR6703	C	0

REF No.	PIN No.	REC
QR6703	B	2.2
QR7001	E	0
QR7001	C	4.3
QR7001	B	0
QR7008	E	0
QR7008	C	0.6
QR7008	B	0

S3. Block Diagram

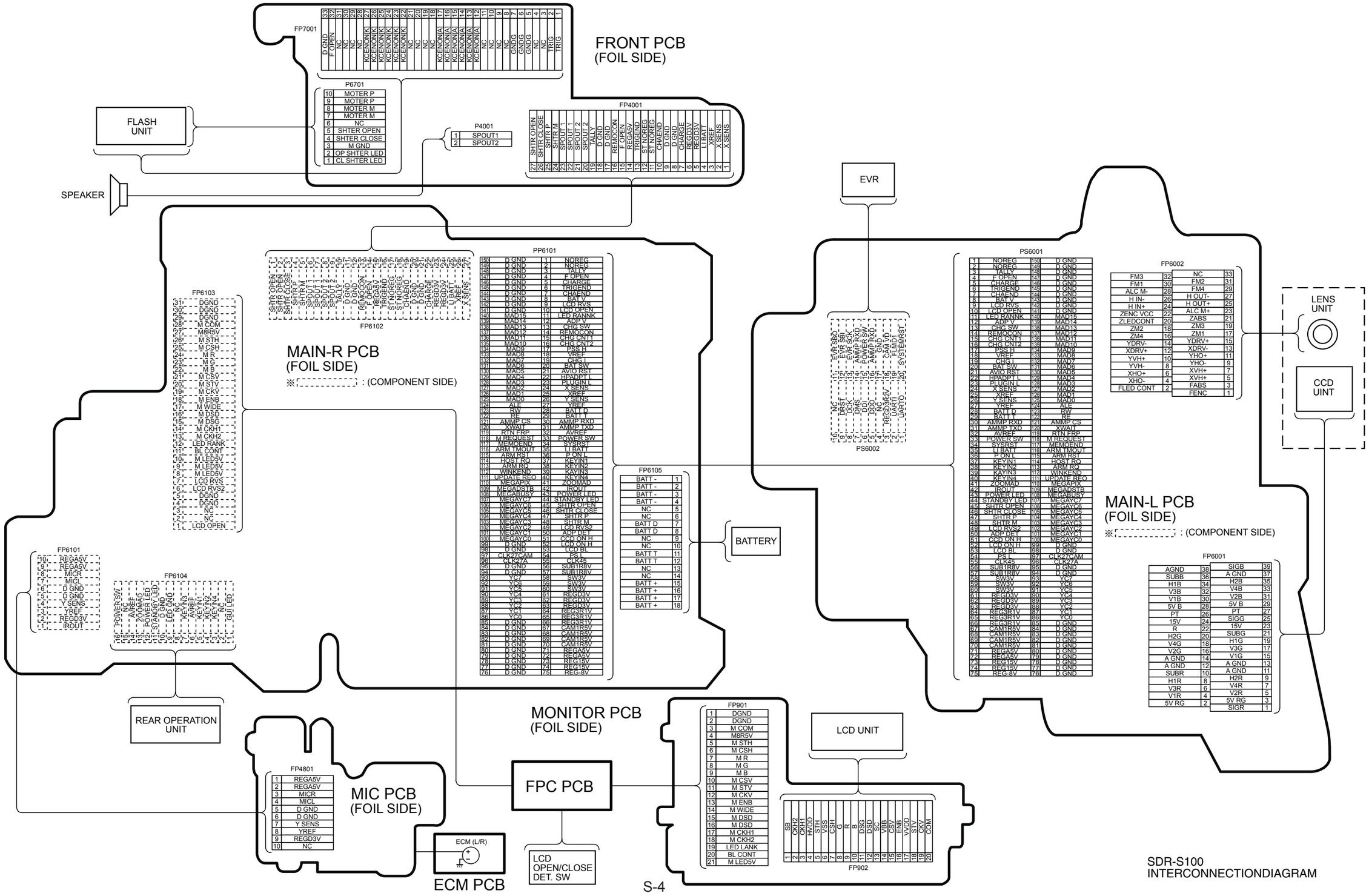
S3.1. Overall Block Diagram



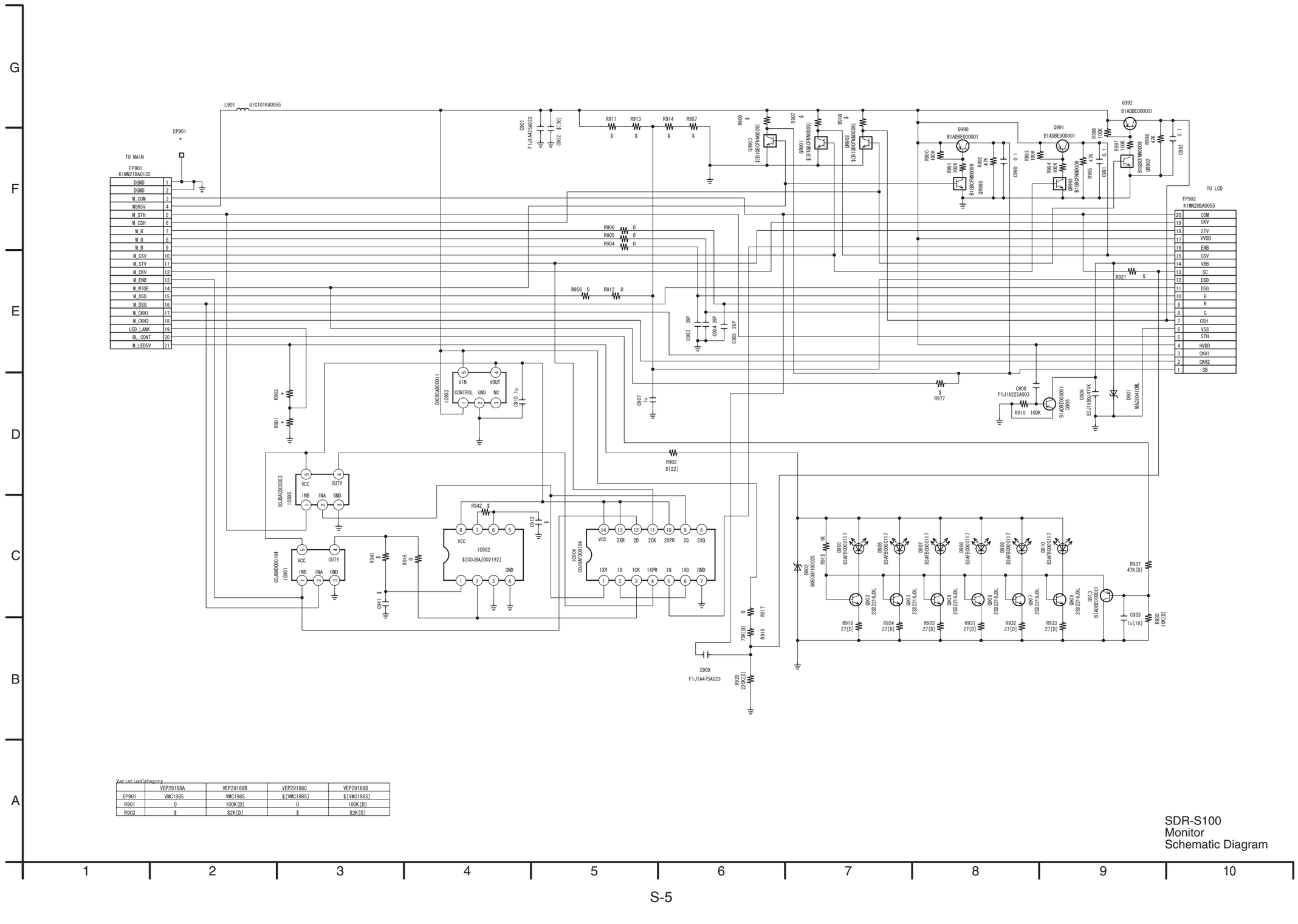
SDR-S100
OVERALL BLOCK DIAGRAM

S4. Schematic Diagram

S4.1. Interconnection Diagram



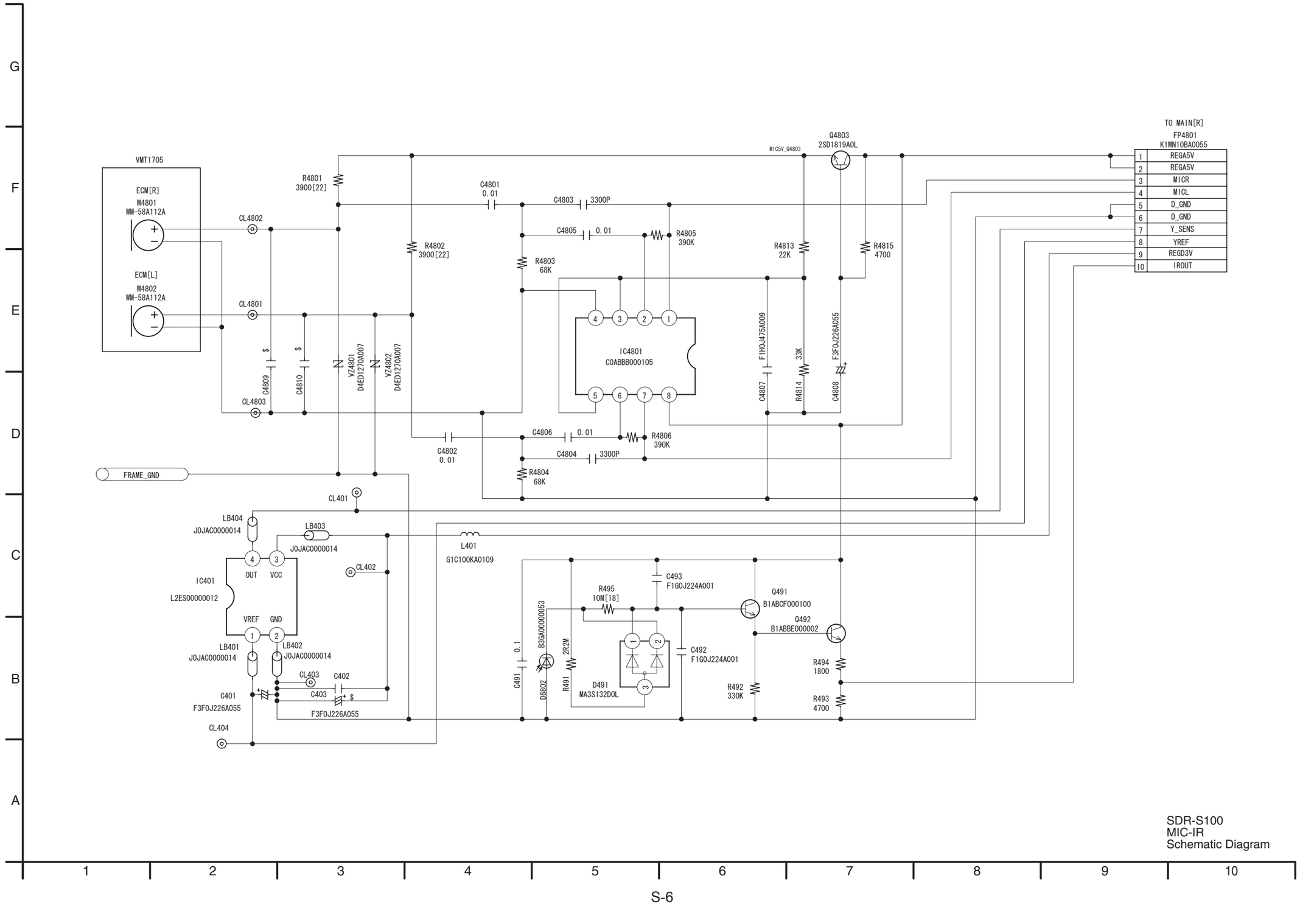
S4.2. Monitor Schematic Diagram



VariationCategory

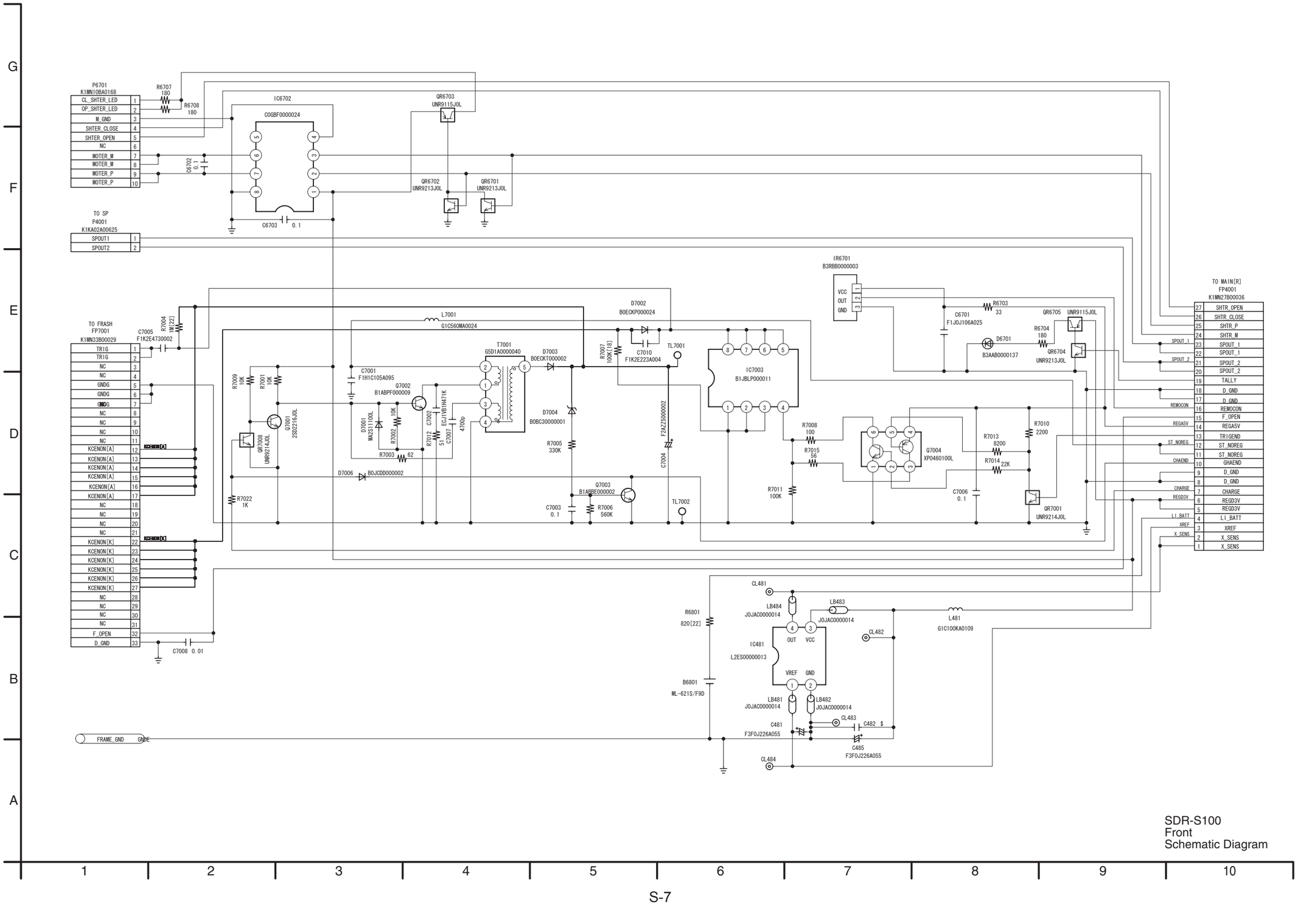
	VEP29168A	VEP29168B	VEP29168C	VEP29168D
EP901	VMC1985	VMC1985	$[VMC1985]	$[VMC1985]
R901	0	100K[D]	0	100K[D]
R903	$	82K[D]	$	82K[D]

S4.3. Mic-IR Schematic Diagram



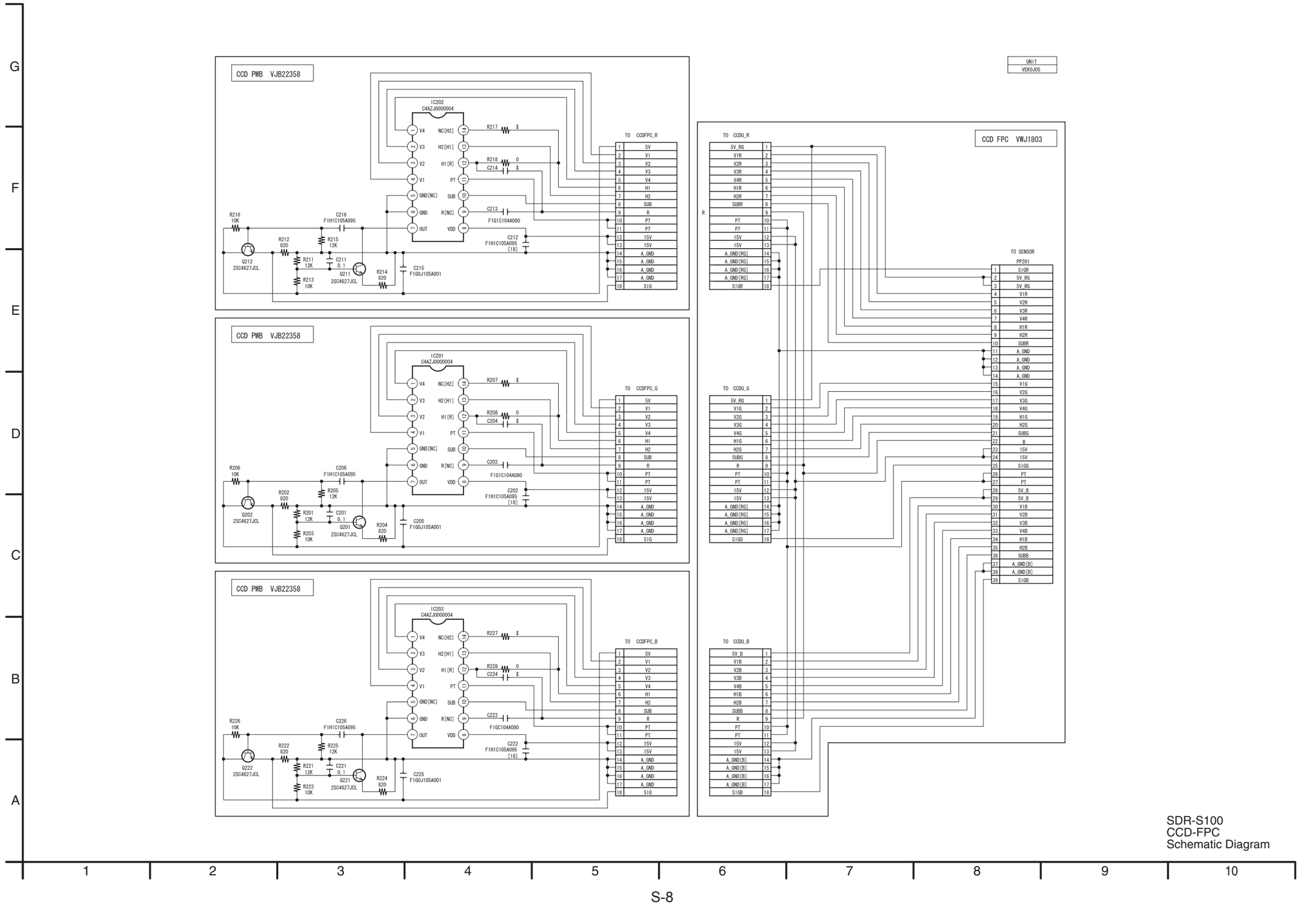
SDR-S100
MIC-IR
Schematic Diagram

S4.4. Front Schematic Diagram



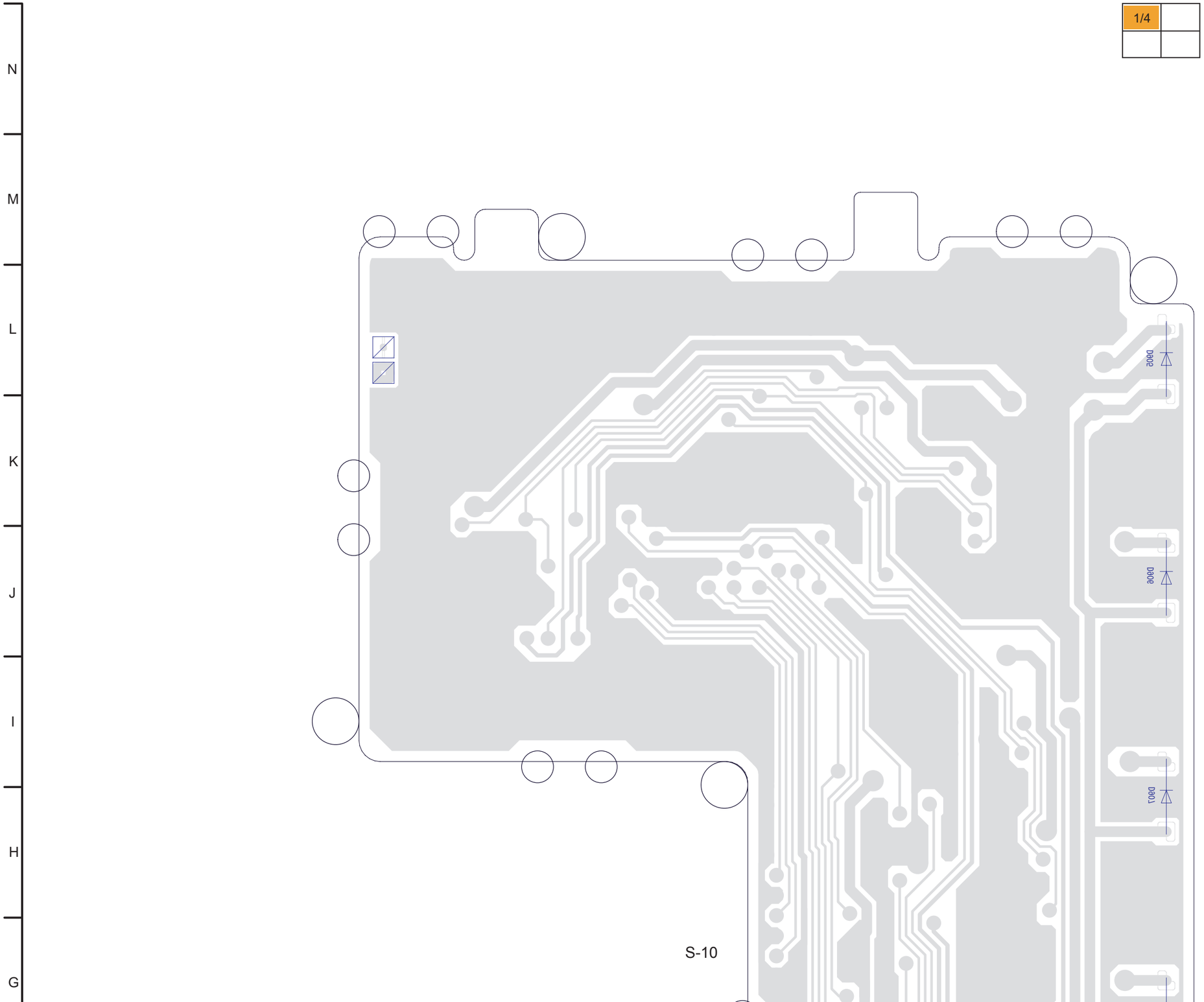
SDR-S100
Front
Schematic Diagram

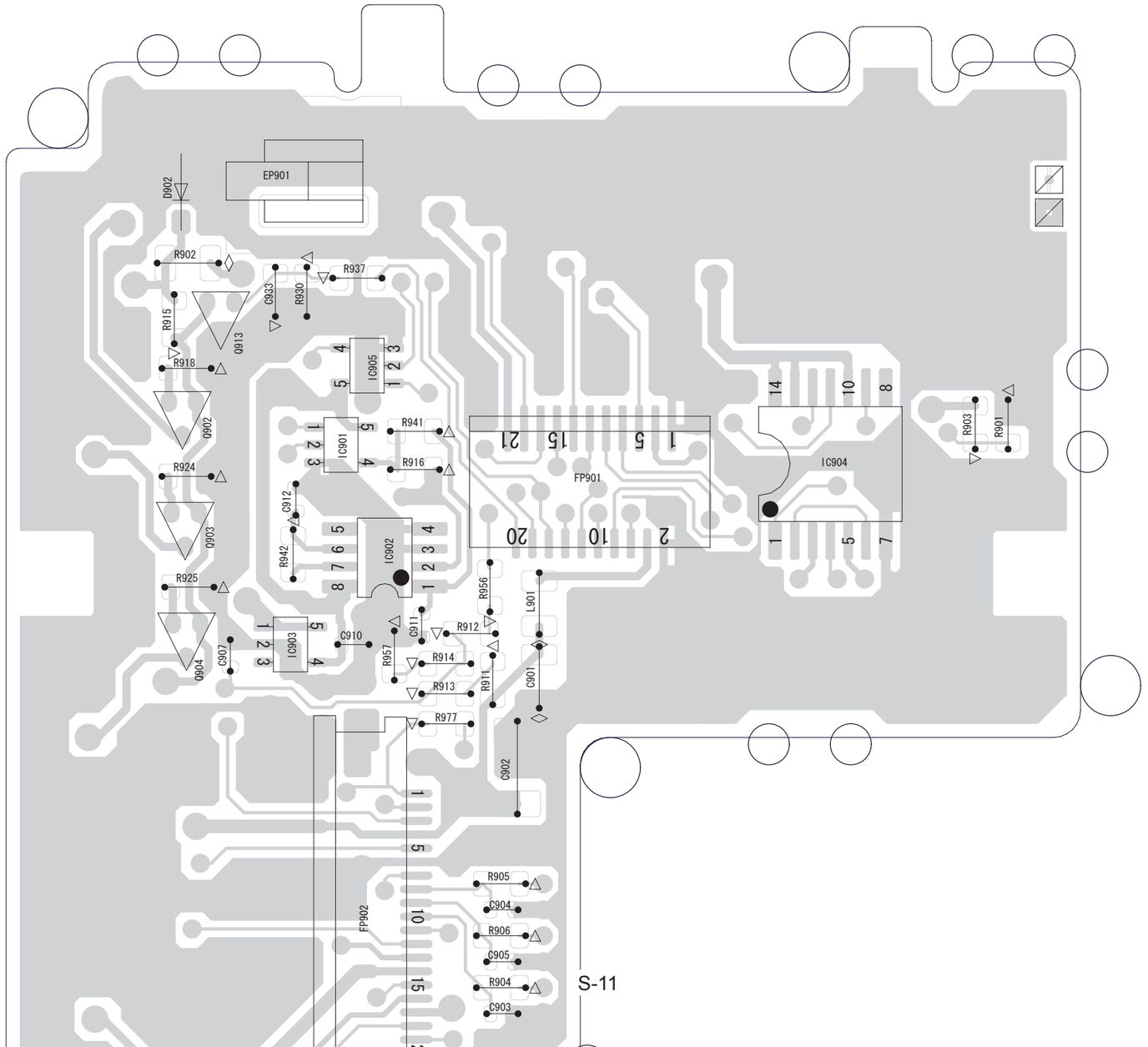
S4.5. CCD-FPC Schematic Diagram



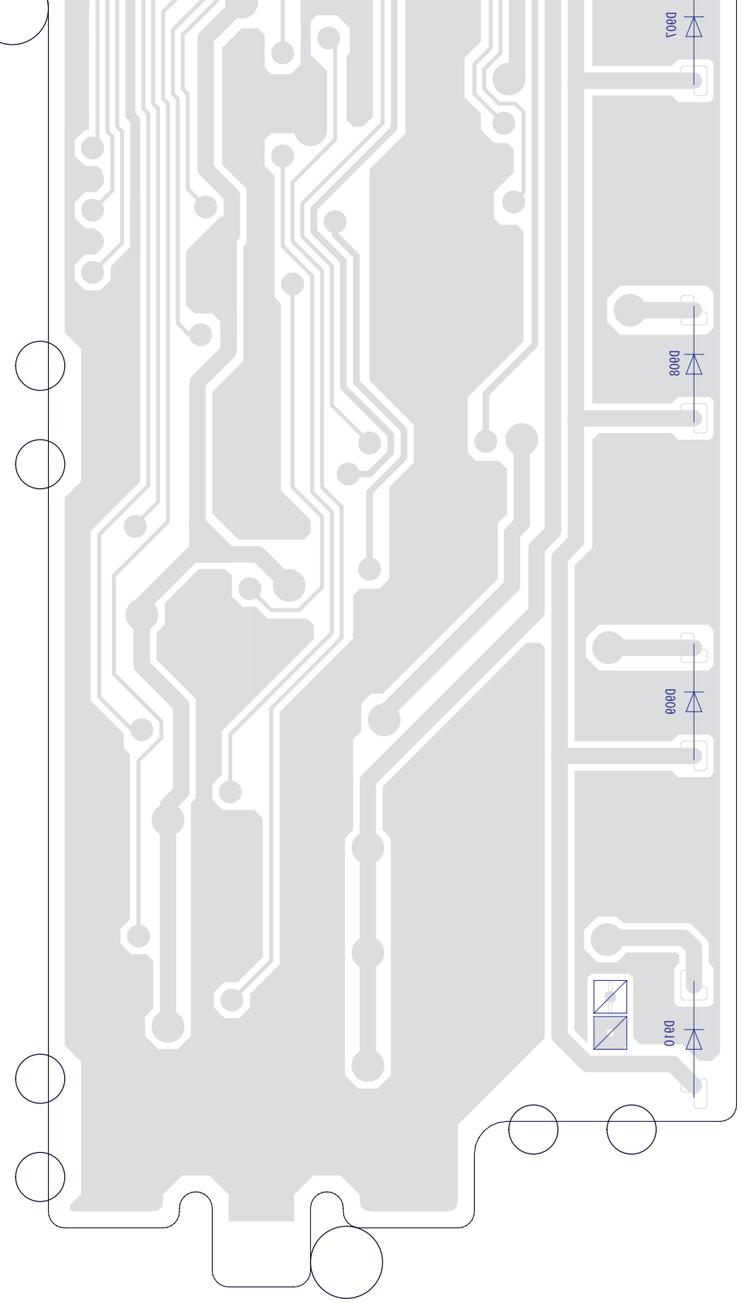
S5. Print Circuit Board

S5.1. Monitor P.C.B.




EP901
D902
R902
R915
D913
R918
R937
R930
C933
IC905
D902
IC901
R941
R916
R924
C912
D903
R942
IC902
R925
R956
L901
C911
R912
C910
IC903
R957
R914
D904
C907
R913
R911
C901
R977
C902
FP902
R905
C904
R906
C905
R904
C903
FP901
IC904
R903
R901

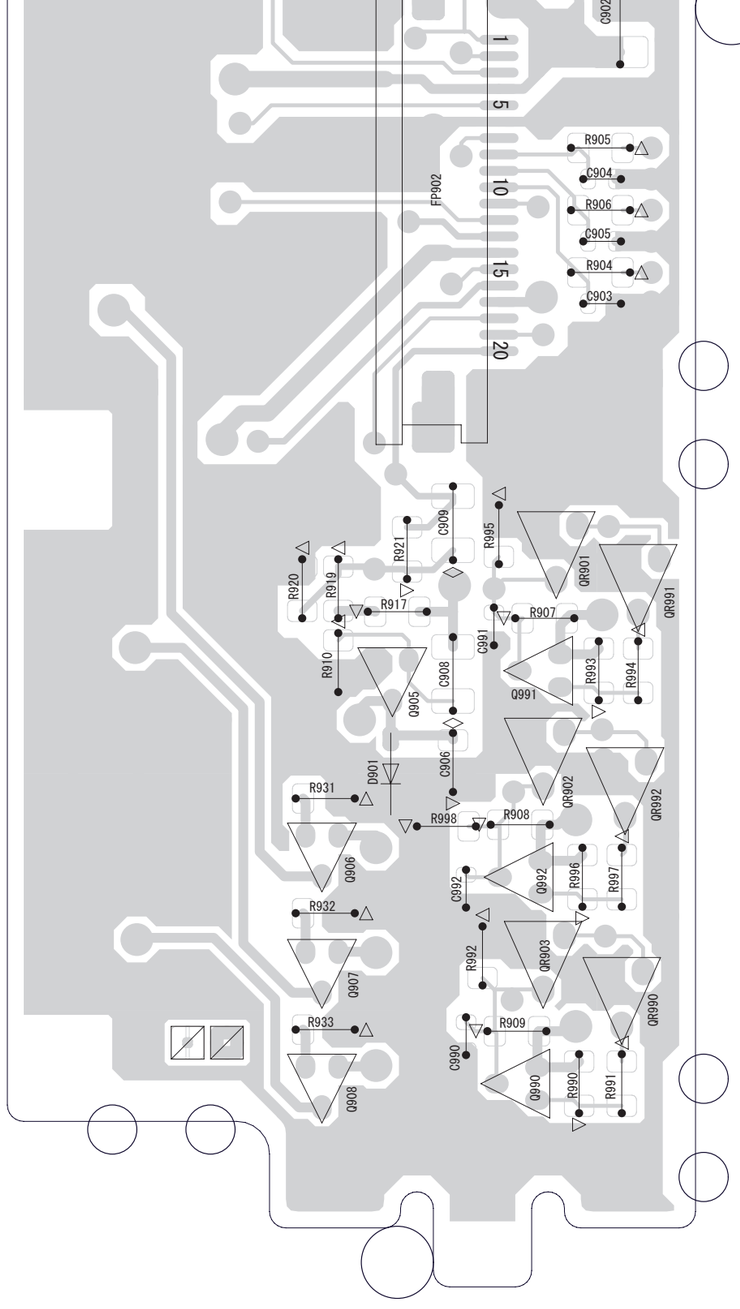
S-11



(Component Side)

3/4

SDR-S100
Monitor P.C.B.

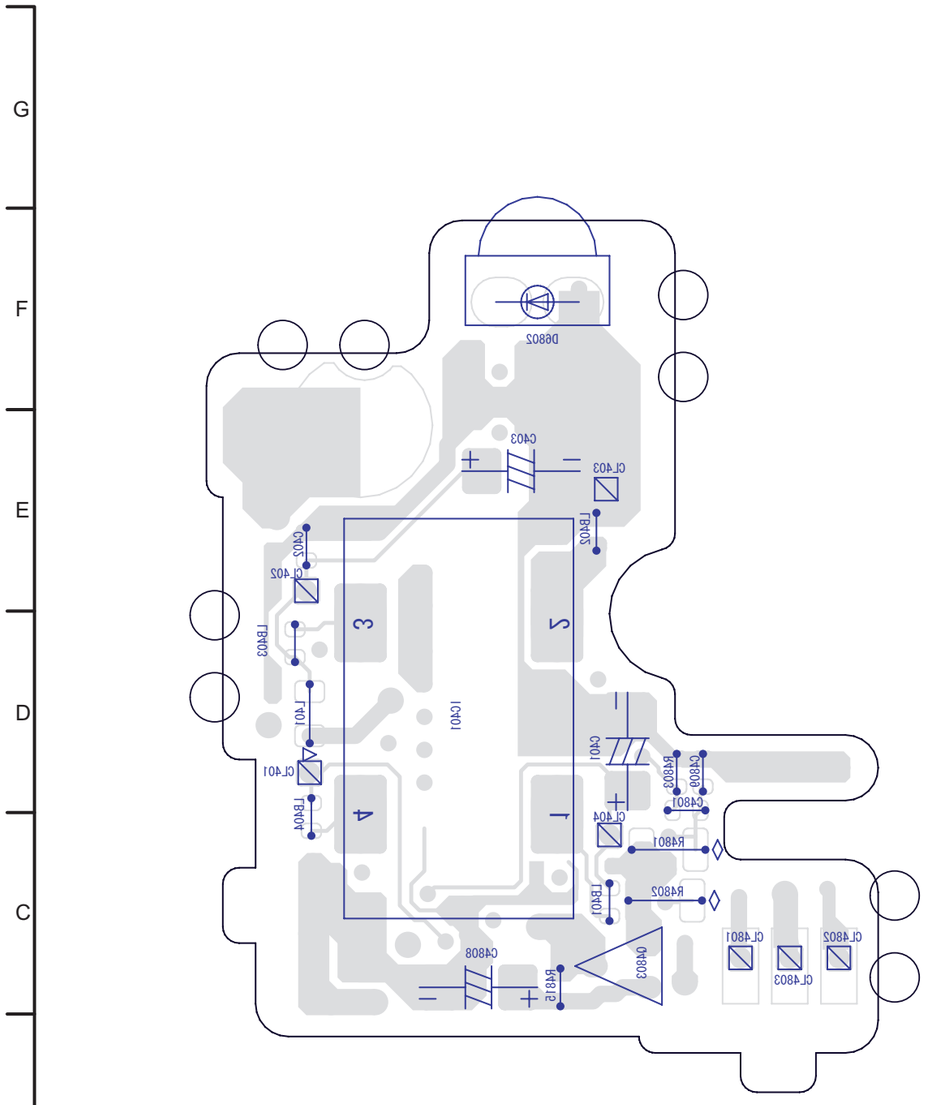


(Foil Side)

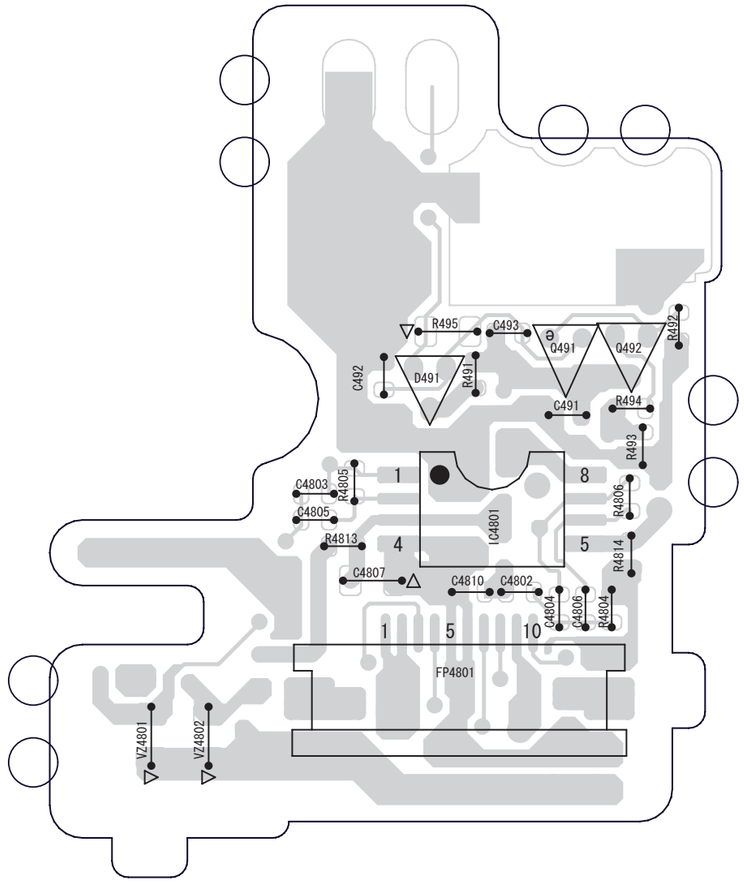
SDR-S100
Monitor P.C.B.
4/4

11 12 13 14 15 16 17 18 19 20 21

S5.2. Mic P.C.B.



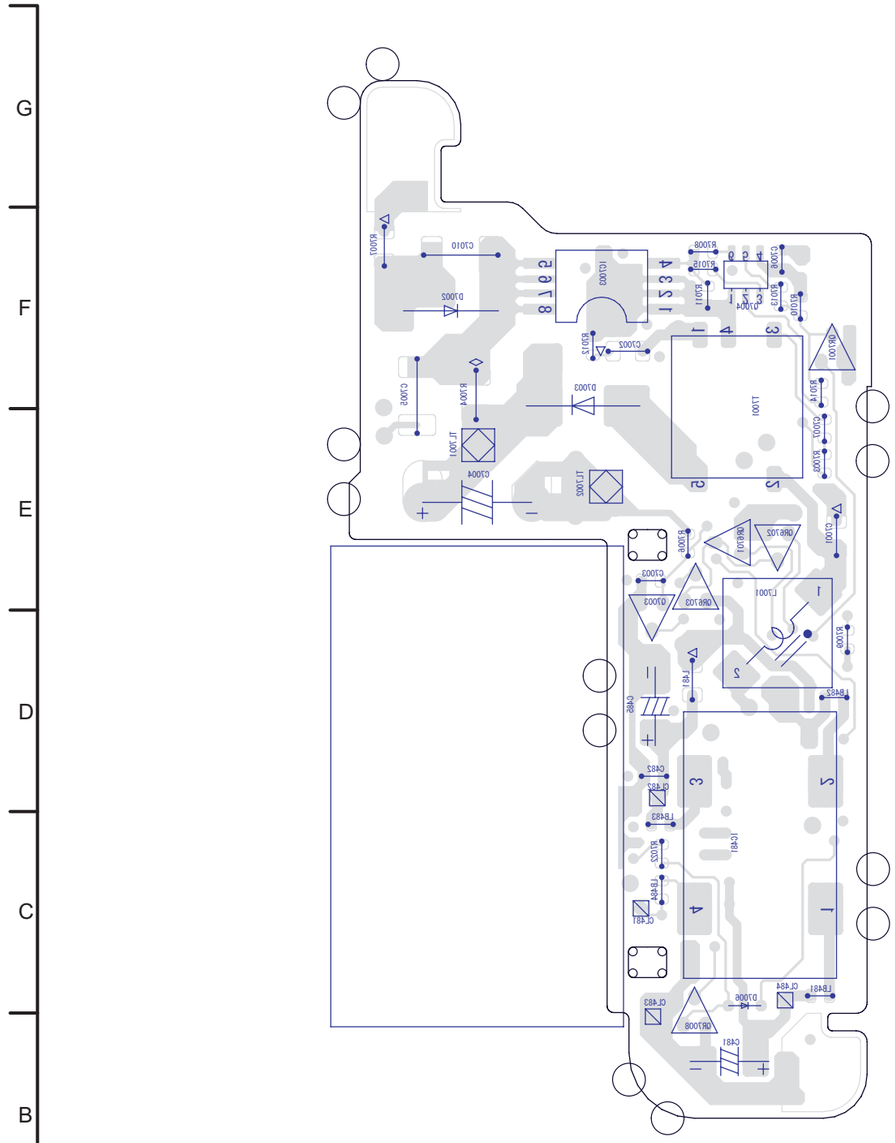
(Component Side)



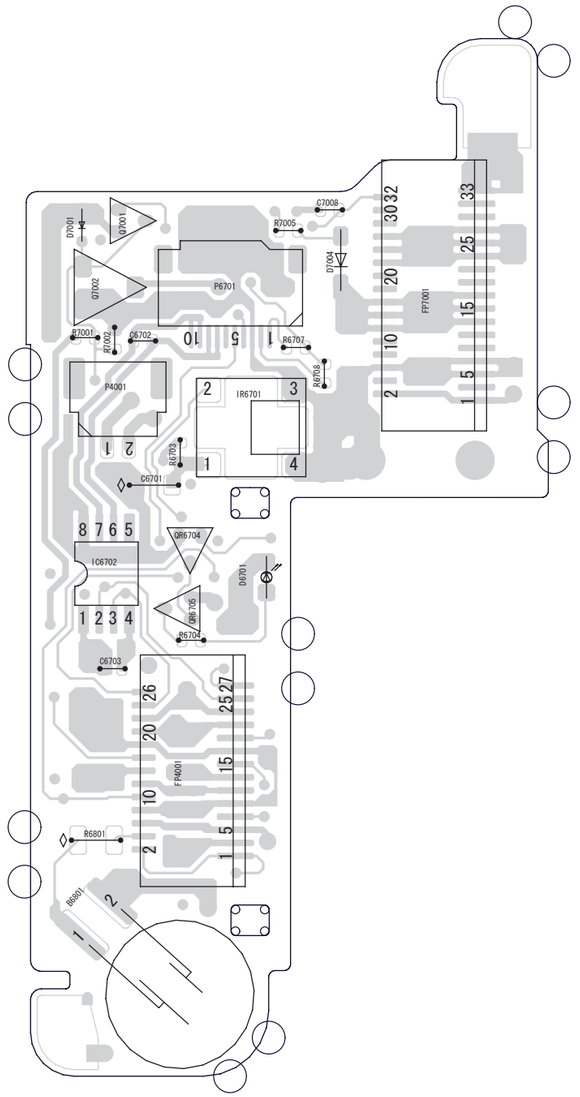
(Foil Side)

SDR-S100
MIC P.C.B.

S5.3. Front P.C.B.



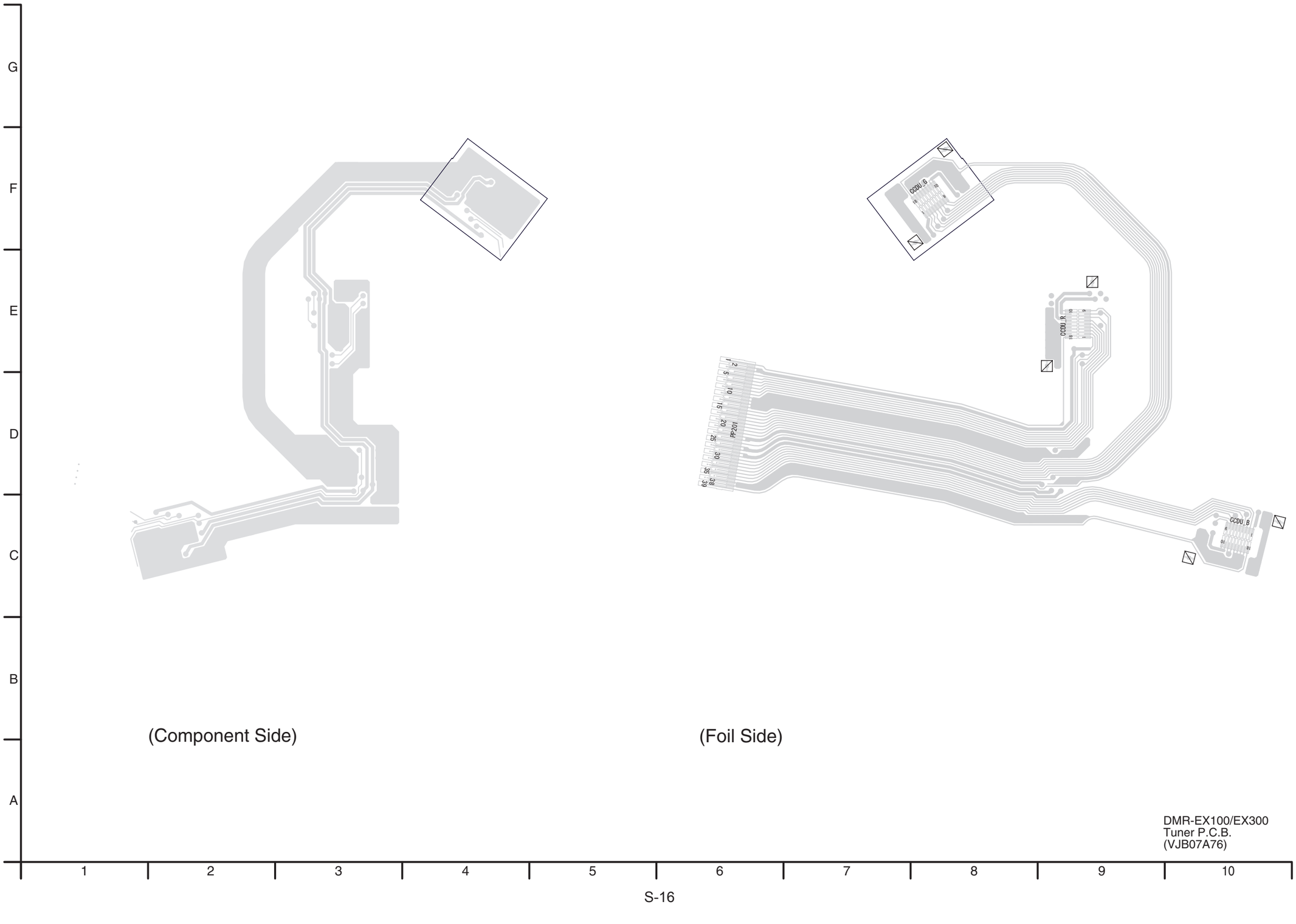
(Component Side)



(Foil Side)

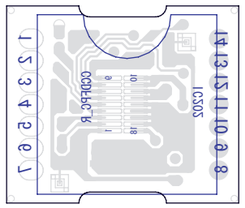
SDR-S100
Front P.C.B.

S5.4. CCD Flex Card P.C.B.

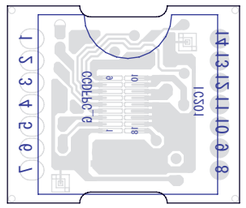


DMR-EX100/EX300
Tuner P.C.B.
(VJB07A76)

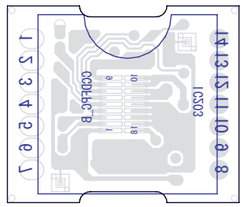
S5.5. CCD Card P.C.B.(R) / S5.6. CCD Card P.C.B.(G) / S5.7. CCD Card P.C.B.(B)



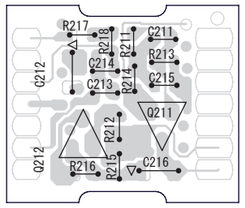
(Component Side)



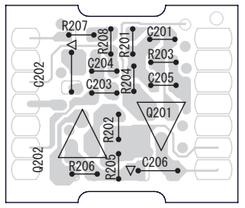
(Component Side)



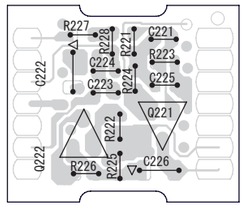
(Component Side)



(Foil Side)



(Foil Side)



(Foil Side)

SDR-S100
CCD Card P.C.B.(R)

SDR-S100
CCD Card P.C.B.(G)

SDR-S100
CCD Card P.C.B.(B)

S . REPLACEMENT PARTS LIST

Note: 1.* Be sure to make your orders of replacement parts according to this list.

2. IMPORTANT SAFETY NOTICE
   Components identified with the mark ⚠ have the special characteristics for safety.
   When replacing any of these components, use only the same type.

3. Unless otherwise specified,
   All resistors are in OHMS, K=1,000 OHMS. All capacitors are in MICRO-FARADS (uf), P=uuF.

4. The marking (RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.

E.S.D. standerds for Electrostatically Sensitive Devices, refer to "PREVENTION OF ELECTROSTATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEP29168A	MONITOR PCB		[RTL]
C901	F1J1A475A023	C.CAPACITOR CH 10V 4.7U	1	
C903	ECJ0EC1H390J	C.CAPACITOR CH 50V 39P	1	
C904	ECJ0EC1H390J	C.CAPACITOR CH 50V 39P	1	
C905	ECJ0EC1H390J	C.CAPACITOR CH 50V 39P	1	
C906	ECJ1VB0J474K	C.CAPACITOR CH 6.3V 0.47U	1	
C907	F1G0J105A001	C.CAPACITOR CH 6.3V 1U	1	
C908	ECUM1A225KBN	C.CAPACITOR CH 10V 2.2U	1	
C909	F1J1A475A023	C.CAPACITOR CH 10V 4.7U	1	
C910	F1G0J105A001	C.CAPACITOR CH 6.3V 1U	1	
C933	ECJ1VB0J105K	C.CAPACITOR CH 6.3V 1U	1	
C990	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C991	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C992	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
D901	MA8047M	DIODE	1	MAZ8047OM
D902	B0BC6R100025	DIODE	1	
D905	B3AFB0000117	LIGHT EMITTING DEVICES (V	1	
D906	B3AFB0000117	LIGHT EMITTING DEVICES (V	1	
D907	B3AFB0000117	LIGHT EMITTING DEVICES (V	1	
D908	B3AFB0000117	LIGHT EMITTING DEVICES (V	1	
D909	B3AFB0000117	LIGHT EMITTING DEVICES (V	1	
D910	B3AFB0000117	LIGHT EMITTING DEVICES (V	1	
EP901	VMC1985	ON BOARD CONNTACT	1	
FP901	K1MN21BA0132	CONNECTOR	1	
FP902	K1MN20BA0055	CONNECTOR	1	
IC901	C0JBAD000194	IC	1	
IC903	C0CBCAB00011	IC	1	
IC904	C0JBAF000184	IC	1	
IC905	C0JBAC000363	IC	1	
L901	G1C101KA0055	CHIP INDUCTOR 100UH	1	
Q902	2SD2216J0L	TRANSISTOR	1	
Q903	2SD2216J0L	TRANSISTOR	1	
Q904	2SD2216J0L	TRANSISTOR	1	
Q905	B1ADBE000001	TRANSISTOR	1	
Q906	2SD2216J0L	TRANSISTOR	1	
Q907	2SD2216J0L	TRANSISTOR	1	
Q908	2SD2216J0L	TRANSISTOR	1	
Q913	B1ADBE000001	TRANSISTOR	1	
Q990	B1ADBE000001	TRANSISTOR	1	
Q991	B1ADBE000001	TRANSISTOR	1	
Q992	B1ADBE000001	TRANSISTOR	1	
QR990	B1GBCFNN0009	TRANSISTOR	1	
QR991	B1GBCFNN0009	TRANSISTOR	1	
QR992	B1GBCFNN0009	TRANSISTOR	1	
R901	ERJ3GEY0R00	M.RESISTOR CH 1/10W 0	1	
R902	ERJ6GEY0R00V	M.RESISTOR CH 1/10W 0	1	DOGBR00JA017
R904	ERJ3GEY0R00	M.RESISTOR CH 1/10W 0	1	
R905	ERJ3GEY0R00	M.RESISTOR CH 1/10W 0	1	
R906	ERJ3GEY0R00	M.RESISTOR CH 1/10W 0	1	
R910	ERJ3GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R912	ERJ3GEY0R00	M.RESISTOR CH 1/10W 0	1	
R915	D0GB102JA057	M.RESISTOR CH 1/10W 1K	1	
R916	ERJ3GEY0R00	M.RESISTOR CH 1/10W 0	1	
R917	ERJ3GEY0R00	M.RESISTOR CH 1/10W 0	1	
R918	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R919	ERJ3RBD753	M.RESISTOR CH 1/16W 75K	1	
R920	ERJ3RED224	M.RESISTOR CH 1/16W 220K	1	
R924	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R925	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R930	ERJ3RBD103	M.RESISTOR CH 1/16W 10K	1	
R931	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R932	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R933	ERJ3RED270	M.RESISTOR CH 1/16W 27	1	
R937	ERJ3RBD473	M.RESISTOR CH 1/16W 47K	1	
R956	ERJ3GEY0R00	M.RESISTOR CH 1/10W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R990	ERJ3GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R991	ERJ3GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R992	D0GB473JA057	M.RESISTOR CH 1/10W 47K	1	
R993	ERJ3GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R994	ERJ3GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R995	D0GB473JA057	M.RESISTOR CH 1/10W 47K	1	
R996	ERJ3GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R997	ERJ3GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R998	D0GB473JA057	M.RESISTOR CH 1/10W 47K	1	
■	VEP03G86A	MIC PCB		[RTL]
C401	F3F0J226A055	E.CAPACITOR CH 6.3V 22U	1	
C403	F3F0J226A055	E.CAPACITOR CH 6.3V 22U	1	
C491	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C492	F1G0J224A004	C.CAPACITOR CH 6.3V 0.22U	1	
C493	F1G0J224A004	C.CAPACITOR CH 6.3V 0.22U	1	
C4801	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C4802	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C4803	ECUE1E332KBQ	C.CAPACITOR CH 25V 3300P	1	ECJ0EB1E332K
C4804	ECUE1E332KBQ	C.CAPACITOR CH 25V 3300P	1	ECJ0EB1E332K
C4805	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C4806	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C4807	F1H0J475A009	C.CAPACITOR CH 6.3V 4.7U	1	
C4808	F3F0J226A055	E.CAPACITOR CH 6.3V 22U	1	
D491	MA3S132D0L	DIODE	1	
D6802	B3GA00000053	PHOTO DETECTORS	1	
FP4801	K1MN10BA0055	CONNECTOR	1	
IC401	L2ES00000012	IC	1	
IC4801	NJM2115V	IC	1	C0ABBB000104
L401	G1C100KA0109	SURFACE MOUNTING INDUCTOR	1	
LB401	J0JAC0000014	FILTER	1	J0JAC0000016
LB402	J0JAC0000014	FILTER	1	J0JAC0000016
LB403	J0JAC0000014	FILTER	1	J0JAC0000016
LB404	J0JAC0000014	FILTER	1	J0JAC0000016
Q491	B1ABCF000100	TRANSISTOR	1	
Q492	B1ABBE000002	TRANSISTOR	1	
Q4803	2SD1819AWL	TRANSISTOR	1	
R491	ERJ2GEJ225	M.RESISTOR CH 1/16W 2.2M	1	ERJ2RMJ225X
R492	ERJ2GEJ334	M.RESISTOR CH 1/16W 330K	1	
R493	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
R494	ERJ2GEJ182	M.RESISTOR CH 1/16W 1.8K	1	
R495	ERJ3GEYJ106	M.RESISTOR CH 1/10W 10M	1	
R4801	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4802	ERJ6GEYG392	M.RESISTOR CH 1/10W 3.9K	1	
R4803	ERJ2GEJ683	M.RESISTOR CH 1/16W 68K	1	
R4804	ERJ2GEJ683	M.RESISTOR CH 1/16W 68K	1	
R4805	ERJ2GEJ394	M.RESISTOR CH 1/16W 390K	1	
R4806	ERJ2GEJ394	M.RESISTOR CH 1/16W 390K	1	
R4813	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R4814	ERJ2GEJ333	M.RESISTOR CH 1/16W 33K	1	
R4815	ERJ2GEJ472	M.RESISTOR CH 1/16W 4.7K	1	
VZ4801	D4ED1270A007	VARISTORS	1	
VZ4802	D4ED1270A007	VARISTORS	1	
■	VEP04897A	FRONT PCB		[RTL]
B6801	ML-621S/F9D	BATTERY	1	
C481	F3F0J226A055	E.CAPACITOR CH 6.3V 22U	1	
C485	F3F0J226A055	E.CAPACITOR CH 6.3V 22U	1	
C6701	F1J0J106A025	C.CAPACITOR CH 6.3V 10U	1	
C6702	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C6703	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C7001	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
C7002	ECJ1XB1H471K	C.CAPACITOR CH 50V 470P	1	
C7003	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C7004	F2AZZ5000002	E.CAPACITOR	1	
C7005	F1K2E4730002	C.CAPACITOR 250V 0.047U	1	
C7006	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C7007	ECJ0EB1E472K	C.CAPACITOR CH 25V 4700P	1	
C7008	ECJ0EB1C103K	C.CAPACITOR CH 16V 0.01U	1	
C7010	F1K2E223A004	C.CAPACITOR 250V 0.022U	1	
D6701	B3AAB0000137	DIODE	1	
D7001	MA2S11100L	DIODE	1	
D7002	B0ECKP000024	DIODE	1	
D7003	B0ECKT000002	DIODE	1	
D7004	B0BC30000001	DIODE	1	
D7006	B0JCDD000002	DIODE	1	
FP4001	K1MN27B00036	CONNECTOR 27P	1	
FP7001	K1MN33B00029	CONNECTOR 33P	1	
IC481	L2ES00000013	IC	1	
IC6702	C0GBF0000024	IC	1	
IC7003	B1JBLP000011	IC	1	
IR6701	B3RBB0000003	IR RECEIVER UNIT	1	
L481	G1C100KA0109	SURFACE MOUNTING INDUCTOR	1	
L7001	G1C560MA0024	CHIP INDUCTOR 56UH	1	
LB481	J0JAC0000014	FILTER	1	J0JAC0000016
LB482	J0JAC0000014	FILTER	1	J0JAC0000016
LB483	J0JAC0000014	FILTER	1	J0JAC0000016
LB484	J0JAC0000014	FILTER	1	J0JAC0000016
P4001	K1KA02A00625	CONNECTOR	1	
P6701	K1MN10BA0168	CONNECTOR	1	
Q7001	2SD2216J0L	TRANSISTOR	1	
Q7002	B1ABPF000009	TRANSISTOR	1	
Q7003	B1ABBE000002	TRANSISTOR	1	
Q7004	XP0460100L	TRANSISTOR	1	
QR6701	UNR9213J	TRANSISTOR	1	
QR6702	UNR9213J	TRANSISTOR	1	
QR6703	UNR9115J0L	TRANSISTOR	1	
QR6704	UNR9213J	TRANSISTOR	1	
QR6705	UNR9115J0L	TRANSISTOR	1	
QR7001	UN9214JTX	TRANSISTOR-RESISTOR	1	
QR7008	UN9214JTX	TRANSISTOR-RESISTOR	1	
R6703	ERJ2RKD330	M.RESISTOR CH 1/16W 33	1	
R6704	ERJ2GEJ181	M.RESISTOR CH 1/16W 180	1	
R6707	ERJ2GEJ181	M.RESISTOR CH 1/16W 180	1	
R6708	ERJ2GEJ181	M.RESISTOR CH 1/16W 180	1	
R6801	ERJ6GEYG821	M.RESISTOR CH 1/10W 820	1	
R7001	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R7002	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R7003	ERJ2GEJ620	SURFACE MOUNTING FI	1	
R7004	ERJ6GEYG105	M.RESISTOR CH 1/10W 1M	1	
R7005	ERJ2GEJ334	M.RESISTOR CH 1/16W 330K	1	
R7006	ERJ2GEJ564	M.RESISTOR CH 1/16W 560K	1	
R7007	ERJ3GEYJ104	M.RESISTOR CH 1/10W 100K	1	
R7008	ERJ2GEJ101	M.RESISTOR CH 1/16W 100	1	
R7009	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R7010	ERJ2GEJ222	M.RESISTOR CH 1/16W 2.2K	1	
R7011	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R7012	ERJ2GEJ510	M.RESISTOR CH 1/16W 51	1	
R7013	ERJ2GEJ822	M.RESISTOR CH 1/16W 8.2K	1	
R7014	ERJ2GEJ223	M.RESISTOR CH 1/16W 22K	1	
R7015	ERJ2GEJ560	M.RESISTOR CH 1/16W 56	1	
R7022	ERJ2GEJ102X	M.RESISTOR CH 1/16W 1K	1	ERJ2RMJ102X
T7001	G5D1A0000040	TRANSFORMER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■	VEK0J05	CCD UNIT		[RTL]
C201	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C202	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
C203	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1	
C205	F1G0J105A001	C.CAPACITOR CH 6.3V 1U	1	
C206	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
C211	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C212	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
C213	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1	
C215	F1G0J105A001	C.CAPACITOR CH 6.3V 1U	1	
C216	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
C221	ECJ0EB1A104K	C.CAPACITOR CH 10V 0.1U	1	
C222	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
C223	F1G1C104A080	C.CAPACITOR CH 16V 0.1U	1	
C225	F1G0J105A001	C.CAPACITOR CH 6.3V 1U	1	
C226	ECJ1VB1C105K	C.CAPACITOR CH 16V 1U	1	
Q201	2SC4627JCL	TRANSISTOR	1	
Q202	2SC4627JCL	TRANSISTOR	1	
Q211	2SC4627JCL	TRANSISTOR	1	
Q212	2SC4627JCL	TRANSISTOR	1	
Q221	2SC4627JCL	TRANSISTOR	1	
Q222	2SC4627JCL	TRANSISTOR	1	
R201	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	1	
R202	ERJ2GEJ821	M.RESISTOR CH 1/16W 820	1	
R203	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R204	ERJ2GEJ821	M.RESISTOR CH 1/16W 820	1	
R205	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	1	
R206	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R208	D0YAR0000007	M.RESISTOR CH 1/16W 0	1	
R211	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	1	
R212	ERJ2GEJ821	M.RESISTOR CH 1/16W 820	1	
R213	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R214	ERJ2GEJ821	M.RESISTOR CH 1/16W 820	1	
R215	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	1	
R216	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R218	D0YAR0000007	M.RESISTOR CH 1/16W 0	1	
R221	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	1	
R222	ERJ2GEJ821	M.RESISTOR CH 1/16W 820	1	
R223	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R224	ERJ2GEJ821	M.RESISTOR CH 1/16W 820	1	
R225	ERJ2GEJ123	M.RESISTOR CH 1/16W 12K	1	
R226	ERJ2GEJ103	M.RESISTOR CH 1/16W 10K	1	
R228	D0YAR0000007	M.RESISTOR CH 1/16W 0	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
1	VWJ1799	FRONT FPC	1	
2	VGQ8716	CONDENSOR HOLDER	1	
3	VMP8459	L-MAIN FRAME	1	
4	VMP8460	PCB FRAME A	1	
5	VMP8461	PCB FRAME B	1	
6	VMP8462	TRIPOD FRAME	1	
7	VMD5363	TRIPOD METAL FITTING	1	
8	VMP8463	LENS FRAME	1	
9	LOAA01A00020	SPACER	1	
10	VGQ8644	SPEAKER CUSHION	1	
11	VMC1981	SPEAKER SPRING	1	
12	VGQ8675	SPACER SHETT A	1	
13	VGQ8629	SPACER SHETT B	1	
14	VGQ8676	SHEET	1	
15	VMAOT97	PCB FRAME	1	
16	VGF1041	SHEET	1	
17	K4ZZ04000039	BATTERY TERMINAL	1	
18	VWJ1798	BUS FPC	1	
19	VGF1037	SHEET	1	
20	VKM6805	BATTERY COVER	1	
21	VKC0614	HINGE	1	
22	VGNOQ26	RATING LABEL	1	(PP)
22	VGNOQ27	RATING LABEL	1	(E, EB, EB)
22	VGNOQ28	RATING LABEL	1	(GC)
22	VGNOQ29	RATING LABEL	1	(GK)
23	VGQ8755	BUS FPC CUSHION	1	
24	VYK1R16	L COVER UNIT	1	
25	VGK3177	MODE DIAL ORNAMENT	1	
26	VGU9878	FLASH OPEN BUTTON	1	
27	VKW3293	IR SENSOR WINDOW	1	
28	VGQ8576	BUTTON HOLDER	1	
29	VMB3993	OPEN BUTTON SPRING	1	
30	VKM6808	TOP CASE	1	
31	VGQ8630	MIC NET	1	
32	VGQ8619	MIC PIECE	1	
33	VWJ1800	MIC IR FPC	1	
34	VMT1705	MIC DUMPER	1	
35	VYK1R18	FLASH UNIT	1	
36	VYQ3536	FLASH BASE UNIT	1	
45	EFN-MVV31	FLASH UNIT	1	
46	VGQ8642	FLASH INSULATING SHEET	1	
47	VKM6810	FLASH CASE	1	
48	VYK1R20	REAR CASE 1 UNIT	1	
49	VKF4046	JACK COVER	1	
50	VKC0613	JACK COVER HINGE	1	
51	VKM6812	FRONT CASE	1	
52	VMG1705	LENS DAMPER RUBER	1	
53	VDW1233-2	FRONT FRAME	1	
54	VMAOT94	FRONT ANGLE L	1	
55	VMAOT95	FRONT ANGLE R	1	
56	VML3925-1	BARRIER SELECT KNOB	1	
57	VGL1160	TALLY PANEL LIGHT	1	
58	VKW3294	REMOTE CONTROLLER SENSOR WINDOW	1	
59	N9ZZ00000316	BARRIER MOTOR UNIT	1	
60	VGQ8579	FRONT FIXATION PIECE	1	
61	VGK3171	FRONT ORNAMENT	1	
62	VMP8481	FRONT EARTH PLATE	1	
63	VYK1R71	SIDE CASE (R) 1U	1	
64	VMG1708	LCD RUBBER A	1	
65	VMG1708	LCD RUBBER A	1	
66	VGQ8676	SHEET	1	
67	VMG1709	LCD RUBBER B	1	
68	VGQ8721	SILENCE SHEET	1	
71	VGQ8588	SD COVER	1	
72	VMS7648	SD COVER SHAFT	1	
73	VMB3793	SD COVER SPRING	1	
79	VQL1G93	HEAT CAUTION LABEL	1	
80	VMG1712	HEAT SINK RUBBER	1	
81	VMP8465	HEAT SINK PLATE R	1	
82	VMAOT96	HINGE FIX ANGLE L	1	
83	VGU9879	POWER LCD BUTTON	1	
84	VGU9880-1	RESET BUTTON	1	
85	VMG1713	HEAT SINK RUBBER (B)	1	

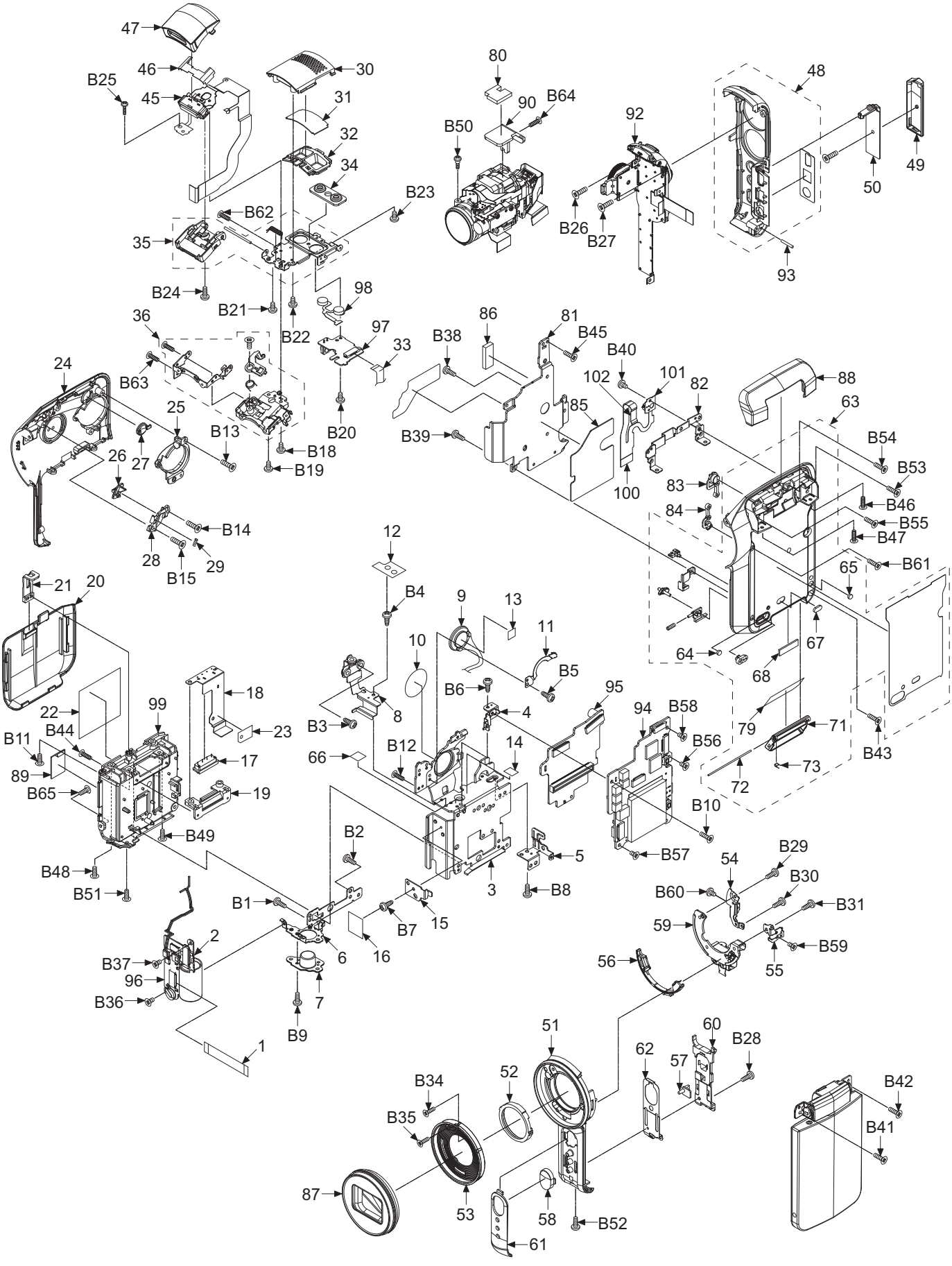
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
86	VMG1714	HEAT SINK RUBBER (C)	1	
87	VYQ3532	LENS HOOD UNIT	1	
88	VGK3172	HINGE ORNAMERNT	1	
89	VKF3776-1	EVR COVER	1	
90	VSC5761	CCD HEAT SINK PLATE	1	
92	N9ZZ00000315	REAR OPERATION	1	
93	VMS7655	STRAP SHAFT	1	
94	VEP03G84A	MAIN (R) PCB	1	[RTL]
95	VEP03G85C	MAIN (L) PCB	1	[RTL] (PP)
95	VEP03G85B	MAIN (L) PCB	1	[RTL] (EG, E, EB, GC, GK)
96	VEP04897A	FRONT PCB	1	[RTL]
97	VEP03G86A	MIC PCB	1	[RTL]
98	VEP04898A	ECM FPC UNIT	1	[RTL]
99	VKM6806	SIDE CASE (L)	1	
100	VEP08347A	MONITOR FPC PCB	1	[RTL]
101	K0L1BA000101	SW	1	(S650)
102	ESE23F101	SW	1	(S651)
151	VGL1156	PRISM SHEET (A)	1	
152	VGL1157	PRISM SHEET (B)	1	
153	VGL1155	DIFFUSION SHEET	1	
154	VGL1154	REFLECTION SHEET	1	
155	VKW3292	LIGHT PANEL	1	
156	VGQ8593	LIGHT PANEL HOLDER	1	
157	VSC5759	LCD SHIELD CASE	1	
158	VMAOT99	LCD REINFORCEMENT ANGLE	1	
159	VKM6815	LCD CASE BOTTOM	1	
160	VKM6814	LCD CASE TOP	1	
161	VGQ8591	HINGE COVER TOP	1	
162	VGQ8592	HINGE COVER BOTTOM	1	
163	VXD0455	LCD HINGE 1 UNIT	1	
164	L5BDDYM00018	LCD	1	
166	VEP29168A	MONITOR PCB	1	[RTL]
201	VXQ1370	PRISM UNIT	1	(PP)
201	VXQ1406	PRISM UNIT	1	(EG, E, EB, GC, GK)
203	VXP2530	2ND LENS FRAME MOVE UNIT	1	
205	VXQ1368	1ST LENS FRAME MOVE UNIT	1	
206	VXQ1369	OIS UNIT	1	
207	VXP2521	IRIS UNIT	1	
208	L6HA64NC0003	ZOOM MOTOR UNIT	1	
209	L6HA64NC0004	FOCUS MOTOR UNIT	1	
210	VMS7638	GUIDE POLE	1	
211	VMS7638	GUIDE POLE	1	
212	VXP2531	4TH LENS FRAME MOVE UNIT	1	
217	VDW1213	MASTER FLANGE	1	
218	VDL1748	OPTICAL FILTER	1	
219	VXW0738	LENS UNIT	1	
220	VGQ8595	CCD HEAT SINK SHEET	1	
301	VPK3060	ACCESSORIES BOX	1	(EG, E, PP)
301	VPK3061	ACCESSORIES BOX	1	(EB, GC, GK)
302	K2KZ9CB00001	AV CABLE	1	
304	K2KZ99Z00001	HEADPHONE CABLE	1	
306	N2QACC000008	WIRELESS REMOTE CONTROL	1	
308	VFC4127	HAND STRAP	1	
309	VFA0454	USB CABLE	1	(PP)
309	VFA0453	USB CABLE	1	(EG, E, EB, GC, GK)
⚠ 310	VSK0681A	AC ADAPTOR UNIT	1	(PP)
⚠ 310	VSK0682	AC ADAPTOR UNIT	1	(EG, E, EB, GC, GK)
311	VPN6359	CUSHION	1	
312	VPG1E81	PACKING CASE	1	(PP)
312	VPG1E82	PACKING CASE	1	(EG, E, EB, GC, GK)
314	VPF1253	POLY BAG	1	
⚠ 315	VQT0T50	INSTRUCTION BOOK (ENGLISH)	1	(PP)
⚠ 315	VQT0T51	INSTRUCTION BOOK (CANADIAN FRENCH)	1	(PP)
⚠ 315	VQT0T52	INSTRUCTION BOOK (GERMAN)	1	(EG)
⚠ 315	VQT0T53	INSTRUCTION BOOK (FRENCH)	1	(EG)
⚠ 315	VQT0T56	INSTRUCTION BOOK (ITALIAN)	1	(EG)
⚠ 315	VQT0T57	INSTRUCTION BOOK (DUTCH)	1	(EG)

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 315	VQT0T60	INSTRUCTION BOOK	1	(EB,GC)
		(ENGLISH)		
⚠ 315	VQT0T54	INSTRUCTION BOOK	1	(E)
		(SPANISH)		
⚠ 315	VQT0T55	INSTRUCTION BOOK	1	(E)
		(PORTUGUESE)		
⚠ 315	VQT0T58	INSTRUCTION BOOK	1	(E)
		(SWEDISH)		
⚠ 315	VQT0T59	INSTRUCTION BOOK	1	(E)
		(DANISH)		
⚠ 315	VQT0T62	INSTRUCTION BOOK	1	(GC)
		(CHINESE(TRADITIONAL))		
⚠ 315	VQT0T63	INSTRUCTION BOOK	1	(GC)
		(RUSSIAN)		
⚠ 315	VQT0T64	INSTRUCTION BOOK	1	(GC)
		(ARABIC)		
⚠ 315	VQT0T65	INSTRUCTION BOOK	1	(GC)
		(PERSIAN)		
⚠ 315	VQT0T61	INSTRUCTION BOOK	1	(GK)
		(CHINESE(SIMPLIFIED)		
		/ENGLISH)		
316	----------	BATTERY	1	
320	RP-SDCC0	SD CARD CASE	1	
321	VPF1252	SD CARD BAG, POLYETHYLENE	1	
324	VFF0297-S	CD-ROM	1	(PP)
				SEE "Notes"
324	VFF0298-S	CD-ROM	1	(EG,E,EB,GC,GK)
				SEE "Notes"
325	VPF1249	PROTECT SHEET	1	
⚠ 326	K2CQ2CA00006	AC CABLE W/PLUG	1	(EG,E,GC)
⚠ 327	RJA0053-3X	AC CABLE W/PLUG	1	(EB,GC)
⚠ 328	K2CJ2DA00008	AC CABLE W/PLUG	1	(GC)
⚠ 329	K2CA2CA00020	AC CABLE W/PLUG	1	(GK)
⚠ 330	K2CA2CA00029	AC CABLE W/PLUG	1	(PP)
B1	XQN16+B15FN	SCREW	1	
B2	XQN16+B15FN	SCREW	1	
B3	XQN16+B15FN	SCREW	1	
B4	XQN16+B15FN	SCREW	1	
B5	XQN16+B15FN	SCREW	1	
B6	XQN16+B15FN	SCREW	1	
B7	XQN16+B15FN	SCREW	1	
B8	XQN16+B15FN	SCREW	1	
B9	VHD1620	SCREW	1	
B10	XQN16+B3FN	SCREW	1	
B11	XQN16+B7FN	SCREW	1	
B12	XQN16+B3FN	SCREW	1	
B13	VHD1818	SCREW	1	
B14	VHD1818	SCREW	1	
B15	VHD1818	SCREW	1	
B18	XQN16+B2FN	SCREW	1	
B19	XQN16+B2FN	SCREW	1	
B20	XQN16+B2FN	SCREW	1	
B21	XQN16+BJ4FN	SCREW	1	
B22	XQN16+BJ4FN	SCREW	1	
B23	XQN16+BJ4FN	SCREW	1	
B24	XQN16+BJ4FN	SCREW	1	
B25	XQN16+BJ4FN	SCREW	1	
B26	XQN16+BJ4FN	SCREW	1	
B27	XQN16+BJ4FN	SCREW	1	
B28	XQN16+BJ4FN	SCREW	1	
B29	XQN16+BJ6FN	SCREW	1	
B30	XQN16+BJ6FN	SCREW	1	
B31	XQN16+BJ6FN	SCREW	1	
B34	XQN16+B4FJK	SCREW	1	
B35	XQN16+B4FJK	SCREW	1	
B36	XQN16+B2FN	SCREW	1	
B37	XQN16+B2FN	SCREW	1	
B38	VHD1818	SCREW	1	
B39	VHD1818	SCREW	1	
B40	XQN16+B15FN	SCREW	1	
B41	VHD1411	SCREW	1	
B42	VHD1411	SCREW	1	
B43	XQN16+BJ7FN	SCREW	1	
B44	XQN16+BJ7FN	SCREW	1	

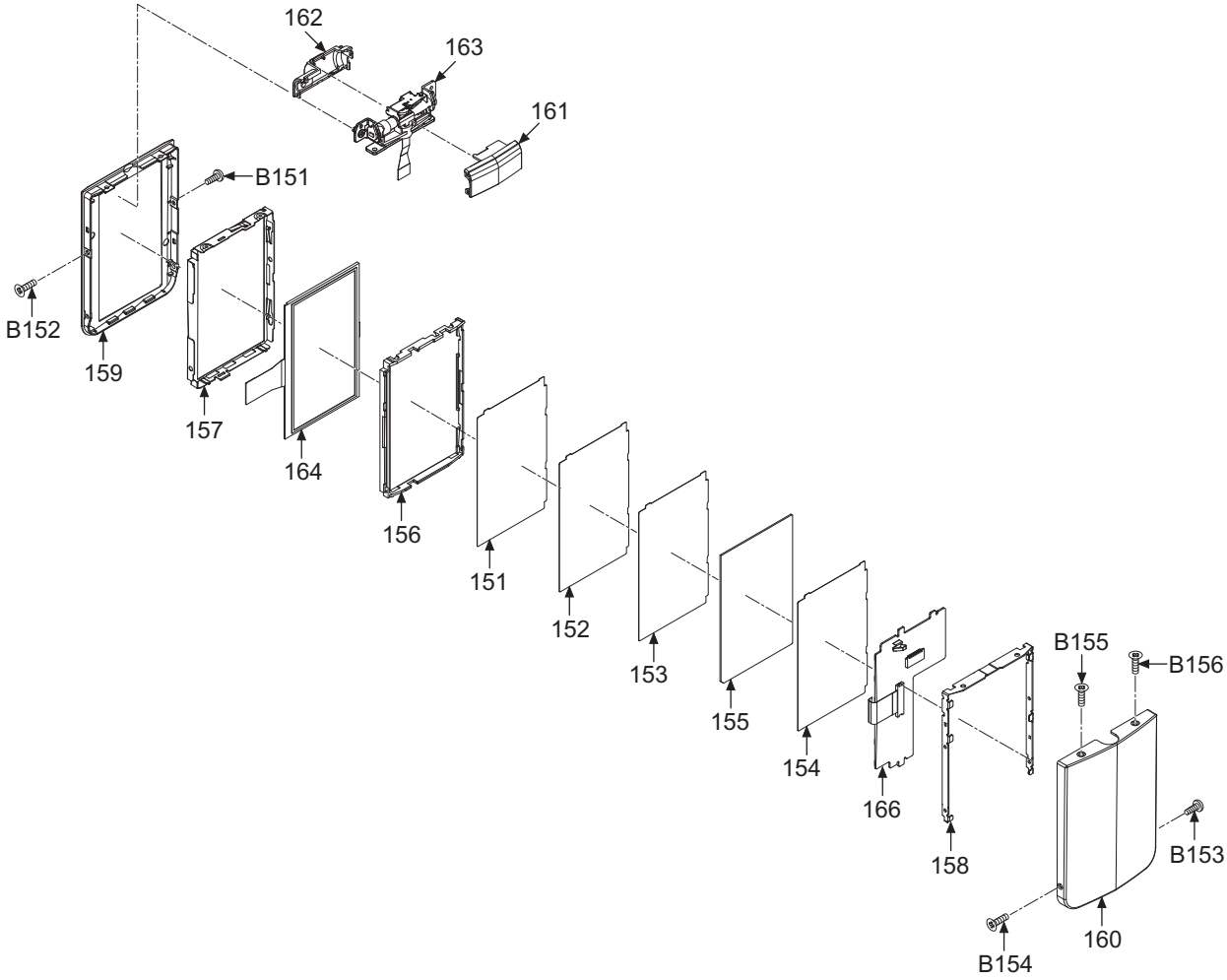
Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
B45	XQN16+BJ6FN	SCREW	1	
B46	XQN16+BJ6FN	SCREW	1	
B47	XQN16+BJ6FN	SCREW	1	
B48	XQN16+B7FN	SCREW	1	
B49	XQN16+B7FN	SCREW	1	
B50	VHD1353	SCREW	1	
B51	XQN16+B35FN	SCREW	1	
B52	XQN16+B35FN	SCREW	1	
B53	XQN16+B3FN	SCREW	1	
B54	XQN16+B3FN	SCREW	1	
B55	XQN16+B3FN	SCREW	1	
B56	XQN16+B3FN	SCREW	1	
B57	XQN16+B3FN	SCREW	1	
B58	XQN16+B3FN	SCREW	1	
B59	XQN16+B3FN	SCREW	1	
B60	XQN16+B3FN	SCREW	1	
B61	XQN16+B35FN	SCREW	1	
B62	XQN16+B2FN	SCREW	1	
B63	XQN16+B2FN	SCREW	1	
B64	XQN16+BJ4FN	SCREW	1	
B65	XQN16+BJ4FN	SCREW	1	
B151	VHD1783	SCREW	1	
B152	VHD1783	SCREW	1	
B153	XQS16+A3FN	SCREW	1	
B154	XQS16+A3FN	SCREW	1	
B155	VHD1267	SCREW	1	
B156	VHD1267	SCREW	1	
B201	XQN16+CJ7FJ	SCREW	1	
B202	XQN16+CJ7FJ	SCREW	1	
B203	XQN16+CJ7FJ	SCREW	1	
B204	XQN16+CJ5FJ	SCREW	1	
B205	XQN16+CJ5FJ	SCREW	1	
B206	XQN16+CJ5FJ	SCREW	1	
B207	XQN16+CJ5FJ	SCREW	1	
B208	XQN16+CJ5FJ	SCREW	1	
B209	XQN16+CJ5FJ	SCREW	1	
B210	XQN16+CJ5FJ	SCREW	1	
B211	XQN16+CJ5FJ	SCREW	1	
B212	XQN16+CJ5FJ	SCREW	1	
B213	XQN16+CJ5FJ	SCREW	1	

S7. Exploded Views

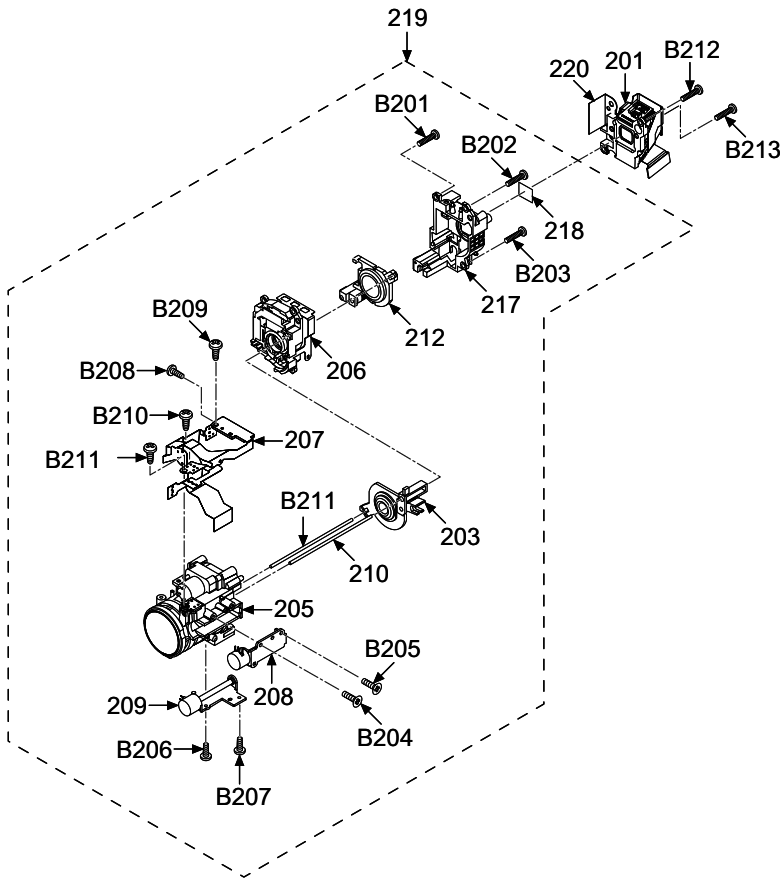
S7.1. Frame & Casing Section



S7.2. LCD Section



S7.3. Lens Section



S7.4. Packing Parts and Accessories Section